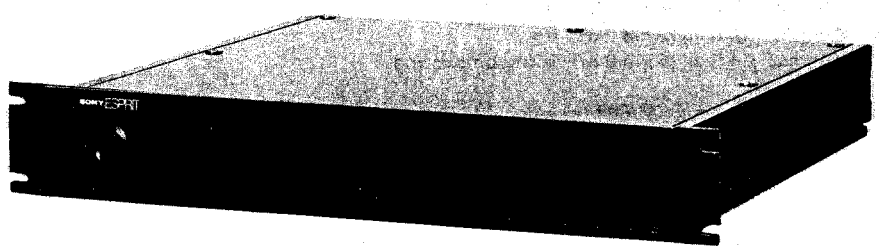
~~1022~~
1048

TA-N900

US Model
AEP Model
UK Model



MONAURAL POWER AMPLIFIER

SPECIFICATIONS

Power Output and Total Harmonic Distortion: (US model)
With 8 Ω loads, monaual channel driven, from 20 – 20,000 Hz; rated 200 W per channel minimum RMS power, with no more than 0.05 % total harmonic distortion from 250 mW to rated output.

Continuous RMS Power Output: (At rated distortion, monaural channel driven)
At 20 Hz – 20 kHz
200 W (2, 4, 8 Ω)
According to DIN 45500
200 W (2, 4, 8 Ω)

Power Bandwidth (IHF): 5 Hz – 70 kHz

Slew Rate: 150 V/μ sec (8 Ω)

Harmonic Distortion: (At rated output)
Less than 0.05 % (8 Ω)
Less than 0.1 % (4 Ω)
Less than 0.2 % (2 Ω)

Intermodulation (IM) Distortion: (60Hz : 7kHz = 4 : 1, at rated output)
Less than 0.05 % (8 Ω)
Less than 0.1 % (4 Ω)
Less than 0.2 % (2 Ω)

Frequency Response:
DC – 100 kHz $^{+0}_{-3}$ dB (DIRECT INPUT)
5 Hz – 100 kHz $^{+0}_{-3}$ dB (C COUPLED INPUT)

Signal-to-noise Ratio: Greater than 120 dB (short-circuited input, 8 Ω)
110 dB (8 Ω, '78 IHF)

Residual Noise: Less than 20 μV (8 Ω, A network)

Damping Factor: 50 (8 Ω, 1 kHz)

Inputs: (For rated output)
Sensitivity 1.7 V (8 Ω); 1.2 V (4 Ω); 0.85 V (2 Ω)
Impedance 50 kΩ

Outputs:
SPEAKER terminals
Accept speakers of 2 – 16 Ω with a user-selectable switch

GENERAL

System:
Pre-power stage
1st: Bootstrapped double cascode FET differential input, with current-mirror output
2nd: Bootstrapped cascode inverted amp
3rd: Emitter follower SEPP output
Power stage
No NFB loop, pure-complementary SEPP output in class A operation
Power supply
Pulse locked power supply

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

SONY®
SERVICE MANUAL

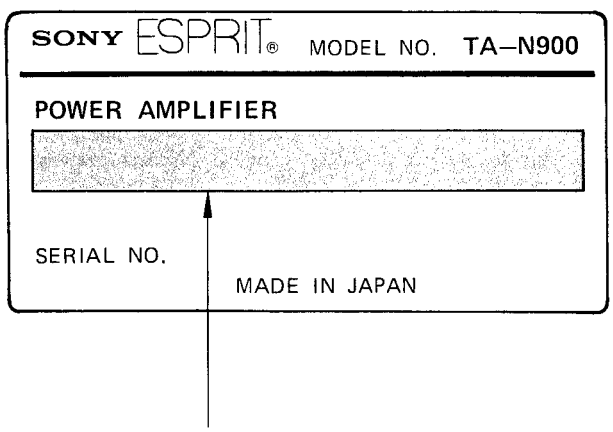
1029

Power Requirements:	220 V ac, 50/60 Hz (AEP model) 240 V ac, 50/60 Hz (UK model) 120 V ac, 60 Hz (US model)
Power Consumption:	270 W (AEP model) 530 W (UK model) 175 W (US model)
Dimensions:	Approx. 480 (w) x 80 (h) x 445 (d) mm (18 7/8 (w) x 3 1/8 (h) x 17 5/8 (d) inches) Including projecting parts and controls
Weight:	Approx. 10.5 kg (23 lb 2 oz), net Approx. 11.5 kg (25 lb 6 oz), in shipping carton

Note: Appliance conforms with EEC Directive 76/889 regarding interference suppression.

MODEL IDENTIFICATION

– Specification Label –



US model. . . . . .AC 120V 60Hz 175W
AEP model. . . . .AC 220V ~ 50/60Hz 270W
UK model . . . . .AC 240V ~ 50/60Hz 530W

SECTION 1
OUTLINE

1-1. SERVICING NOTE

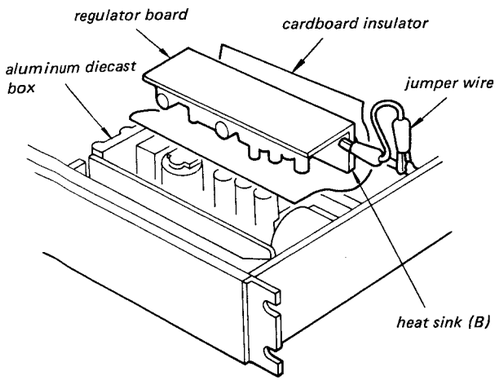
1. PULSE-LOCKED POWER SUPPLY BOARD REPAIRING

This set has a pulse-locked power-supply circuit which is quite different from a conventional power-supply circuit. The pulse-locked power-supply directly rectifies and smooths the ac input power to produce the higher dc voltages required in the power-supply circuit. When servicing this set, note the following.

a) To prevent unwanted radiation due to pulse signals in the pulse-locked power-supply circuit, the pulse-locked power-supply board is shielded by the aluminum diecast box.

b) The negative circuit of the secondary rectifier in the pulse-locked power-supply circuit is grounded by screws in the heat sink (B). When checking the regulator board out of the box, use a jumperwire and a cardboard insulator as shown below.

c) Take care that electrolytic capacitor C004 which is used after the rectification of ac power soure voltage is charged even if the POWER switch is turned off. Be sure to use a resistor of at least several hundred ohms to discharge the capacitor. Direct discharge by means of lead is dangerous.



2. INVERTER CIRCUIT TRANSFORMER REPLACEMENT

The lead wire arrangement for T701 in the inverter circuit is shown in Fig. A.

As the repair parts, T701 is formed by only iron core. Thus, if the coil is defective, arrange a new transformers as shown below. Note that the lead lengths must be exact. Also wind the coil carefully.

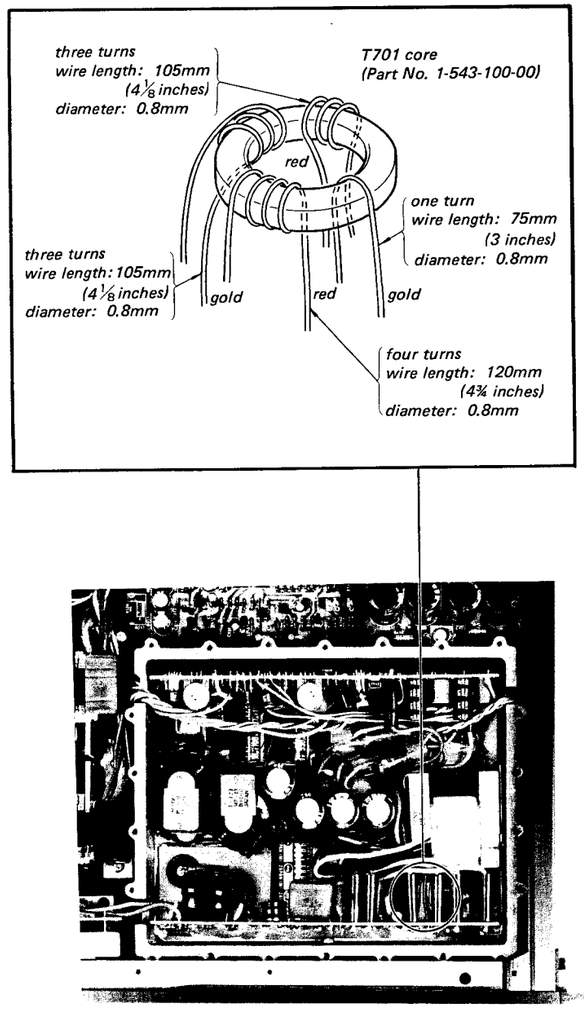


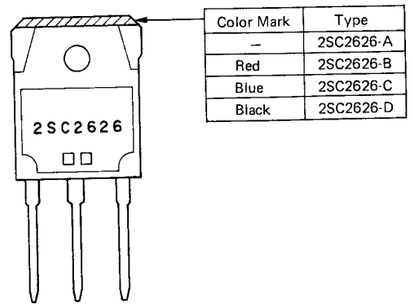
Fig. A

(Photo : US model)

3. INVERTER CIRCUIT TRANSISTOR REPLACEMENT (Q703 – 706)

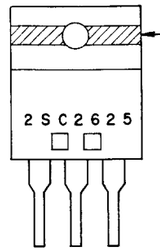
When replacing Q703 – 706 in the inverter circuit, use those which have the same hFE rank and color code. A kit containing 4 transistors with the same rank is provided for field service use.

US model
Q703 – 706
Part No. X-4870-213-1



Color Mark	Type
–	2SC2626-A
Red	2SC2626-B
Blue	2SC2626-C
Black	2SC2626-D

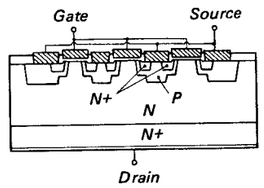
AEP, UK model
Q703 – 706
Part No. X-4870-214-1



Color Mark	Type
–	2SC2625-A
Red	2SC2625-B
Blue	2SC2625-C

4. POWER MOS FETs

This set uses 4 pairs of power MOS-FETs 2SK173 and 2SJ54. It features high voltage resistance and high gm in addition to the usual characteristics of high speed switching, high input impedance, no secondary breakdown and pentoda. These MOS FETs are enchancement type, different from the depletion type used before. The gate voltage is higher than the source voltage. (Forward Bias)

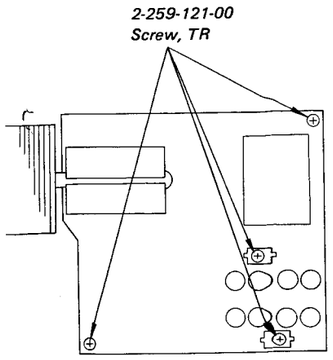


Power MOS FET construction

5. POWER AMP BOARD SCREW REPLACEMENT

On 4 screws which fasten the power amp board affect the tonal quality.

When replacing screws, use specified copper screws. (Part No. 2-259-121-00)



1-2. POINT FOR REPAIRING

1. Pulse-locked Power Supply Checking

The following voltages should appear on Ⓐ and Ⓑ (after the secondary rectification) in Fig. 2.

US model --------- Ⓐ ... +110V
Ⓑ ... −110V

AEP, UK model ---- Ⓐ ... +95V
Ⓑ ... −95V

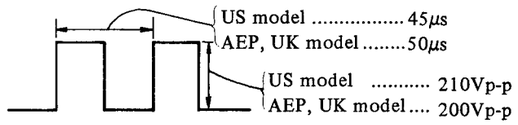
YES → The pulse-locked power supply is operating normally.

NO ↓

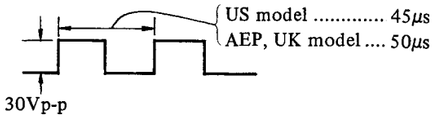
Disconnect 4 leads (red and blue) on the secondary side of converter transformer (T1001) from the regulator board, as shown in Fig. 2.

The following waveforms should be observed between each lead on the secondary side of converter transformer and the ground, as shown in Fig. 2.

- Between red lead and the ground



- Between blue lead and the ground



YES ↓

The voltage regulator on the regulator board is defective.

NO ↓

The circuit on the primary side of converter transformer is defective.

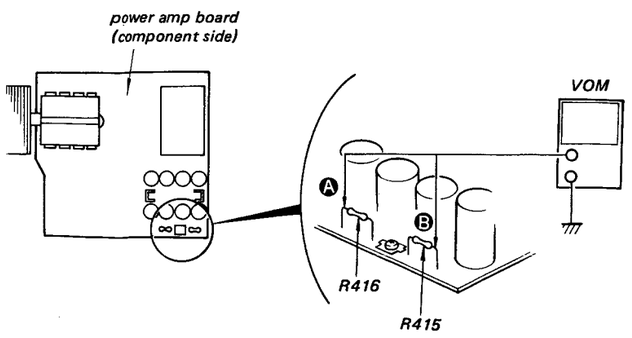


Fig. 1

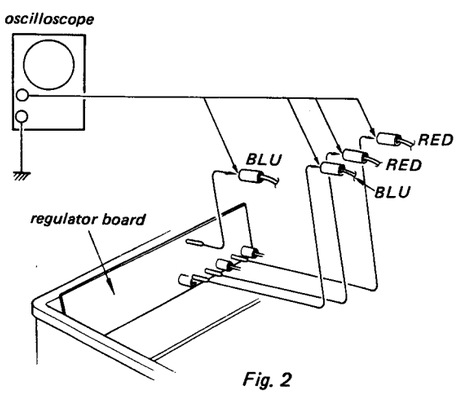


Fig. 2

2. Power Amp Checking

CAUTION: Be careful not to disconnect the 2 lead wires in Fig. 5 (for B+ voltage on bias and distortion reduction circuits) or turn the power on while connecting 4 leads in Fig. 3 (B+ voltage in the final amp). This causes breakdown of the final amp.

Disconnect 4 leads in Fig. 3 to cut off B+ voltage to the final amp.

The voltage of test point 2 (TP2) in Fig. 4 should be 0V.

YES → Aduio module, pre-driver, bias and distortion reduction circuit are operating normally.

NO ↓

Be sure to cut off B+ voltage to the final amp, and disconnect 2 lead wires in Fig. 5.

NO ↓

The voltage of Ⓐ in Fig. 5 should be 0V.

YES → Audio module and pre-driver circuits are operating normally.

NO ↓

Audio module and pre-driver circuits are defective.

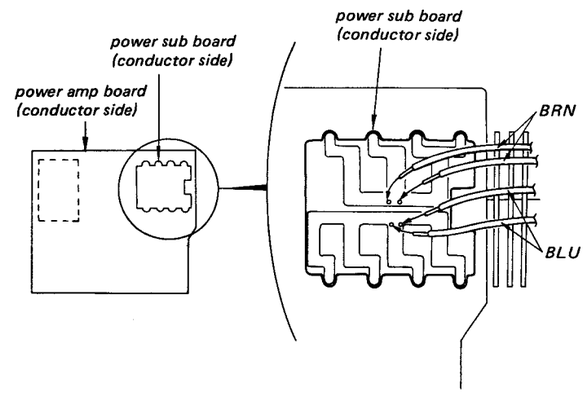


Fig. 3

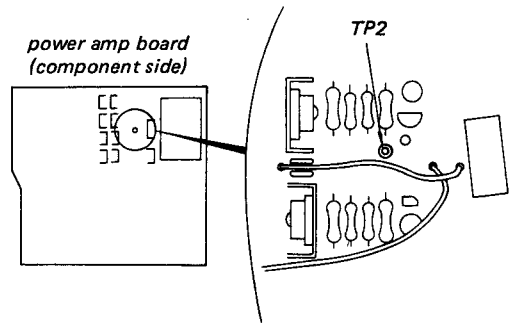


Fig. 4

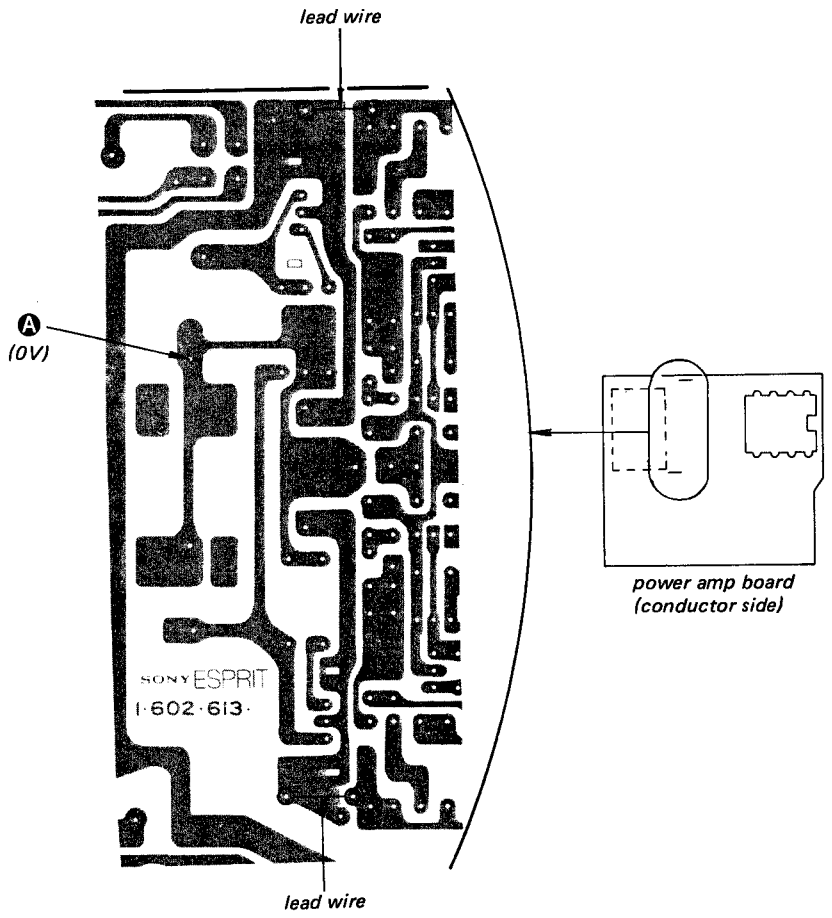
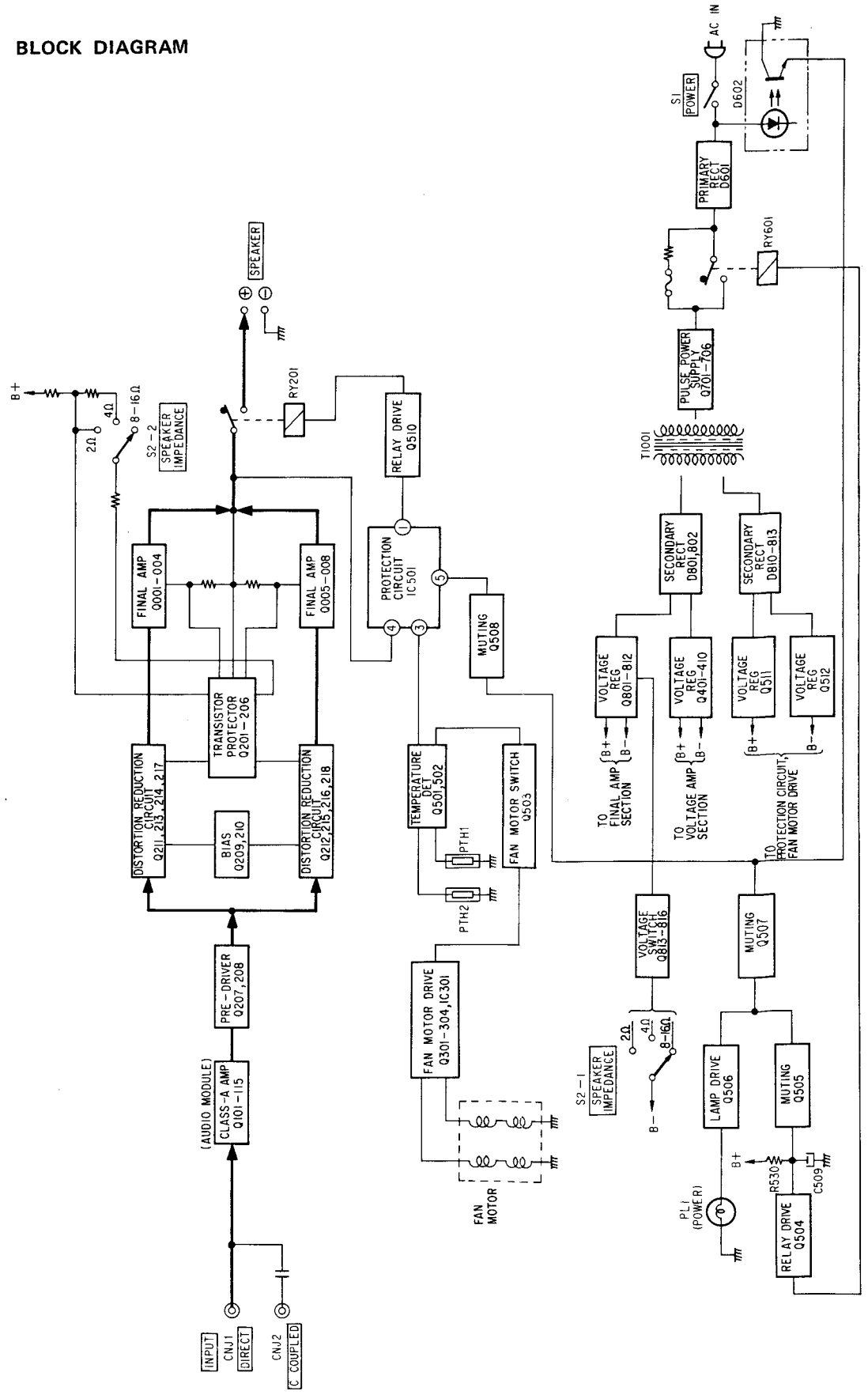


Fig. 5

1-3. BLOCK DIAGRAM



SECTION 2
DISASSEMBLY

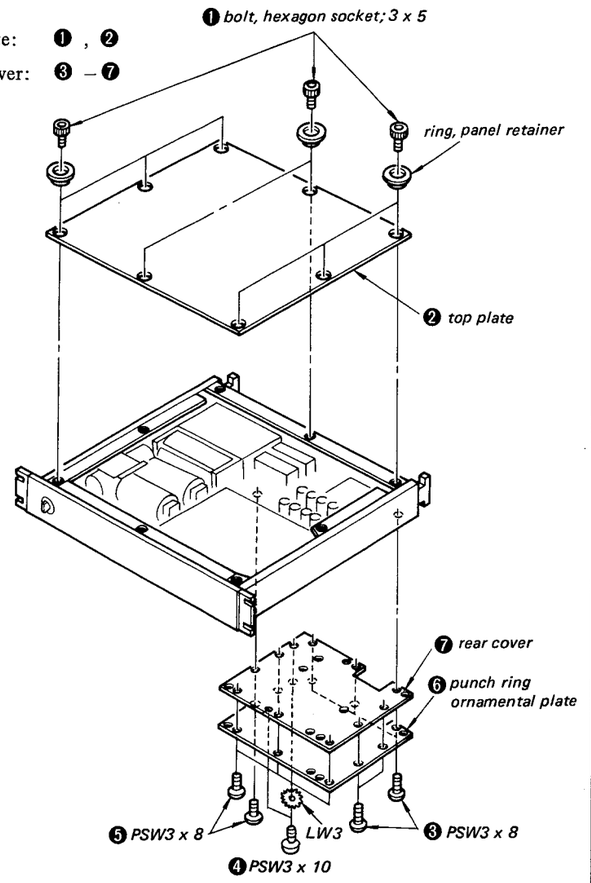
- Follow the disassembly procedure in the numerical order given.

TOP COVER/REAR COVER

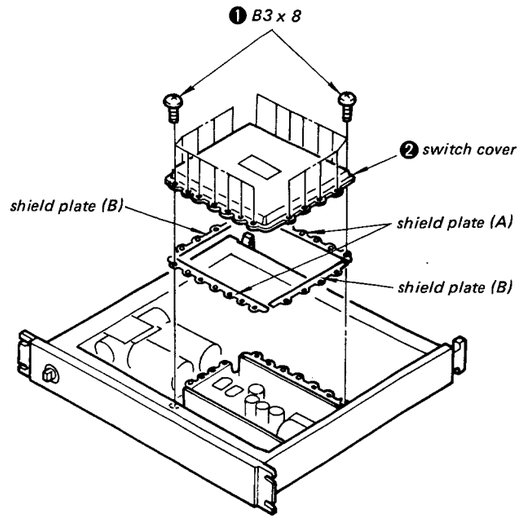
Remove the bottom cover, and check the power amp board.

Top Plate: ❶ , ❷

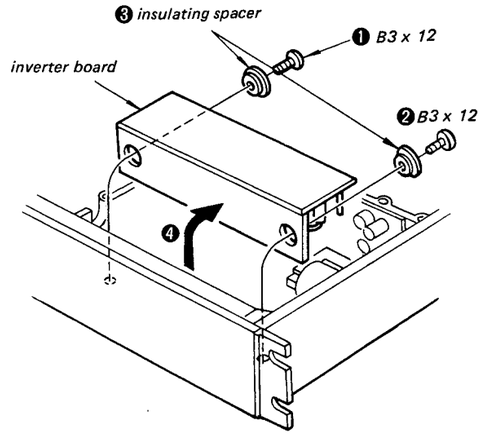
Rear Cover: ❸ – ❼



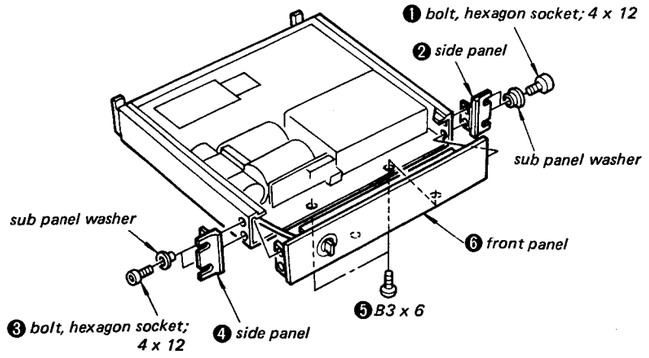
SWITCH COVER



INVERTER BOARD



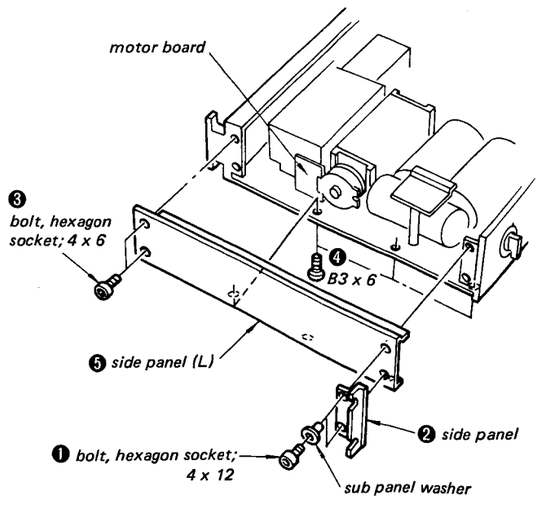
FRONT PANEL


❶ bolt, hexagon socket; 4 x 12
❷ side panel
sub panel washer
sub panel washer
❻ front panel
❸ bolt, hexagon socket; 4 x 12
❹ side panel
❺ B3 x 6

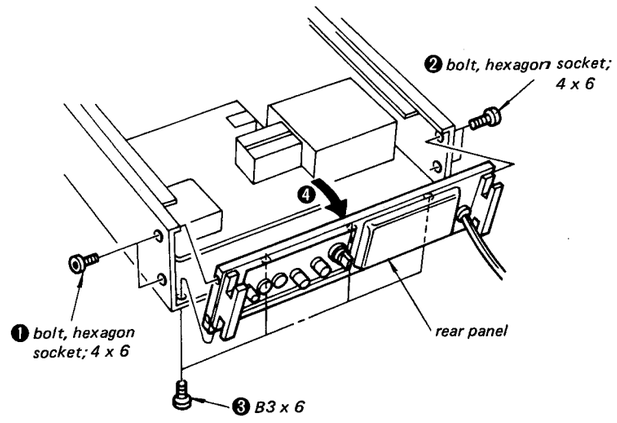
SIDE PANEL (L), (R)

(Side panel (R) removal is the identical to that of side panel (L).

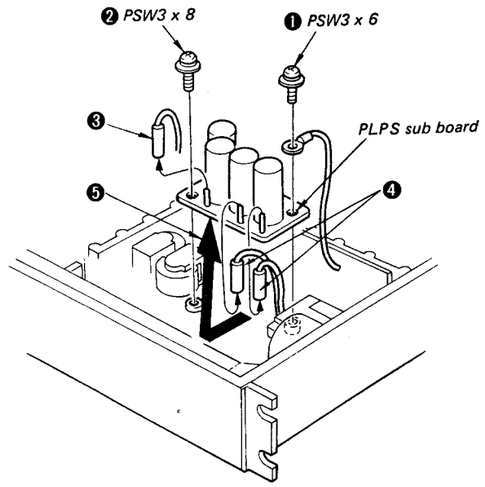
Remove the side panel (L), and check the motor board.



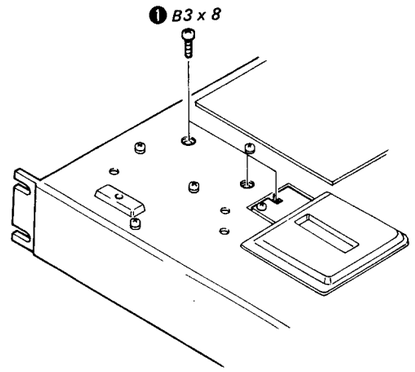
REAR PANEL

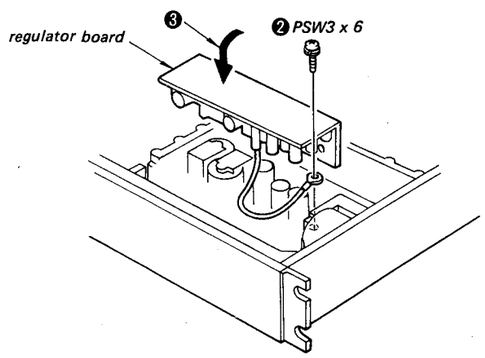


PLPS SUB BOARD

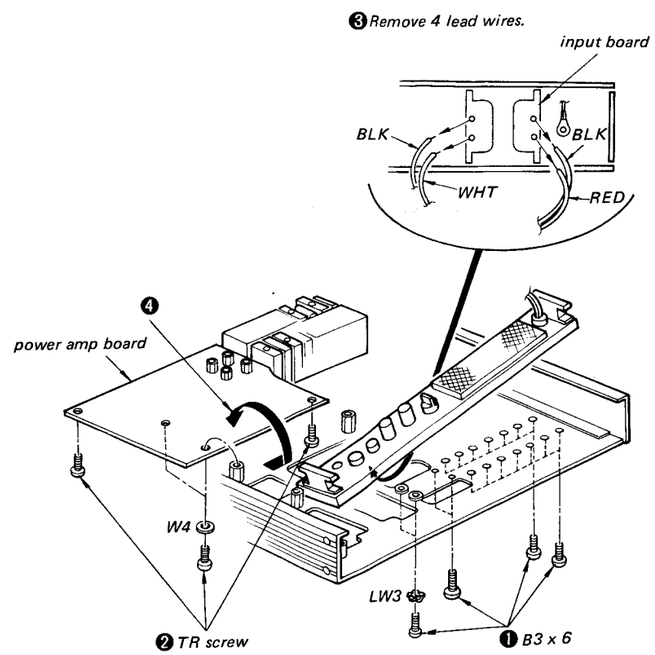


REGULATOR BOARD





POWER AMP BOARD



CAUTION: On 4 screws (❷) which fasten the power amp board affect the tonal quality. When replacing screws, use specified copper screws (Part No. 2-259-121-00).

SECTION 3
ADJUSTMENTS

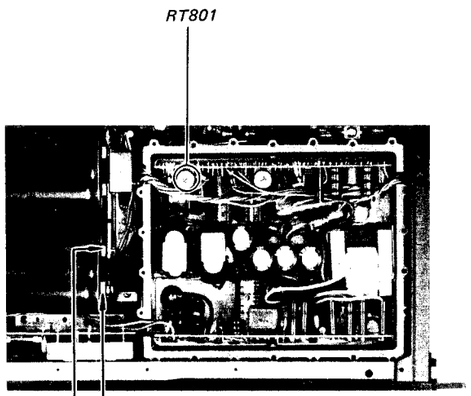
B+ Voltage Adjustment

Procedure:

Adjust RT801 so that the VOM reading is as follows.

SPEAKER IMPEDANCE (S2) switch	VOM reading
8 – 16Ω	70.5 – 71.5V
4Ω	48.0 – 57.0V
2Ω	33.5 – 37.5V

Adjustment Location:



(Photo : US model)

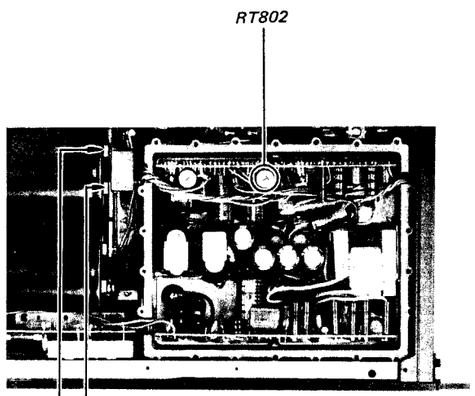
B– Voltage Adjustment

Procedure:

Adjust RT802 so that the VOM reading is as follows.

SPEAKER IMPEDANCE (S2) switch	VOM reading
8 – 16Ω	70.5 – 71.5V
4Ω	48.0 – 57.0V
2Ω	33.5 – 37.5V

Adjustment Location:



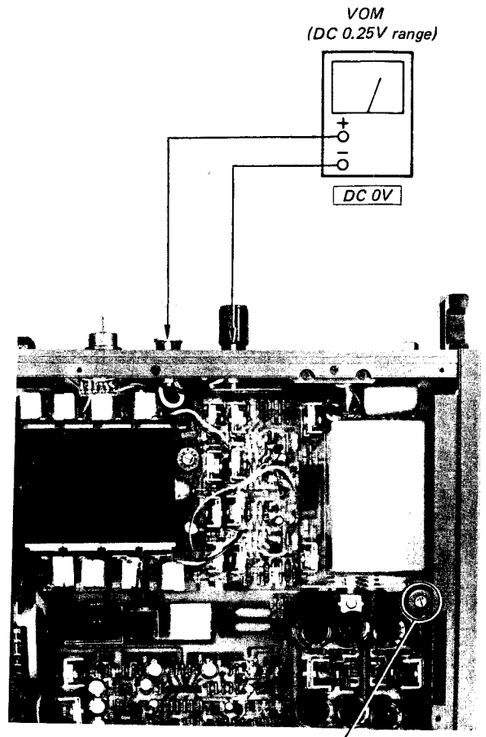
(Photo : US model)

Offset Adjustment

Procedure:

Adjust RT101 for 0V dc reading on the VOM.

Adjustment Location:



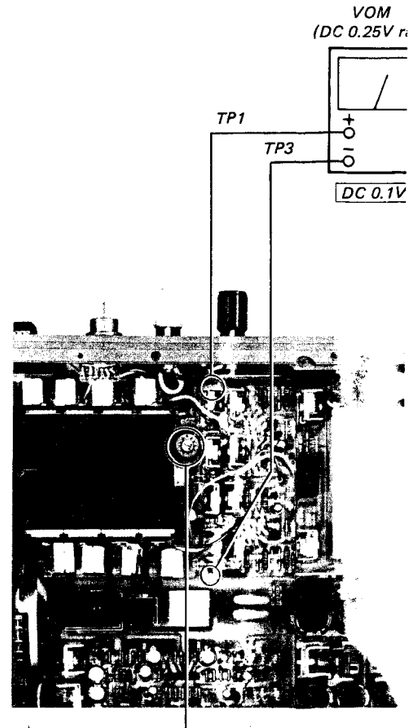
Idling Current Adjustment

Procedure:

Adjust RT201 for 0.1V dc reading on the

Note: Allow about several minutes for warm-up before the adjustment.

Adjustment Location:



)N 3
1ENTS

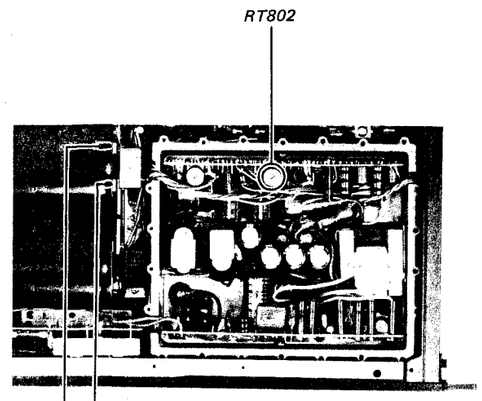
B– Voltage Adjustment

Procedure:

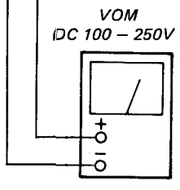
Adjust RT802 so that the VOM reading is as follows.

SPEAKER IMPEDANCE (S2) switch	VOM reading
8 – 16Ω	70.5 – 71.5V
4Ω	48.0 – 57.0V
2Ω	33.5 – 37.5V

Adjustment Location:



(Photo : US model)

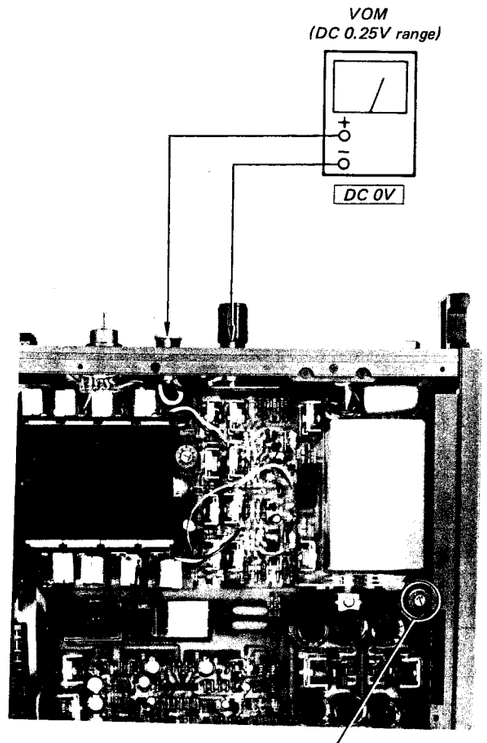


Offset Adjustment

Procedure:

Adjust RT101 for 0V dc reading on the VOM.

Adjustment Location:



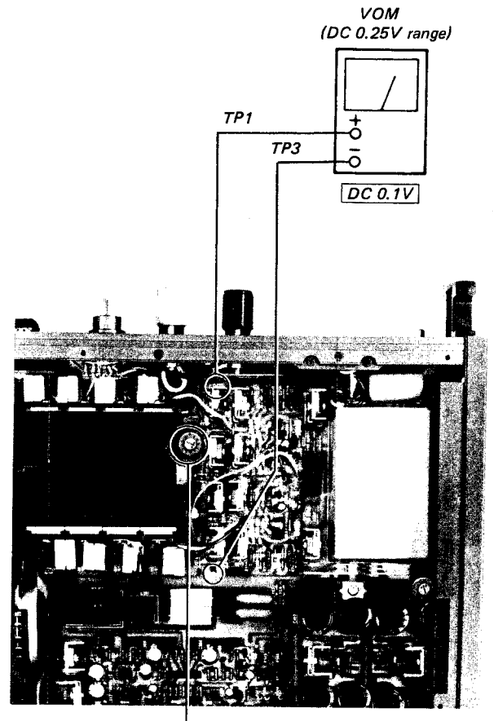
Idling Current Adjustment

Procedure:

Adjust RT201 for 0.1V dc reading on the VOM.

Note: Allow about several minutes for warm-up before the adjustment.

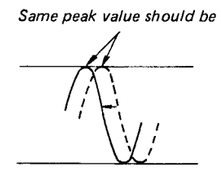
Adjustment Location:



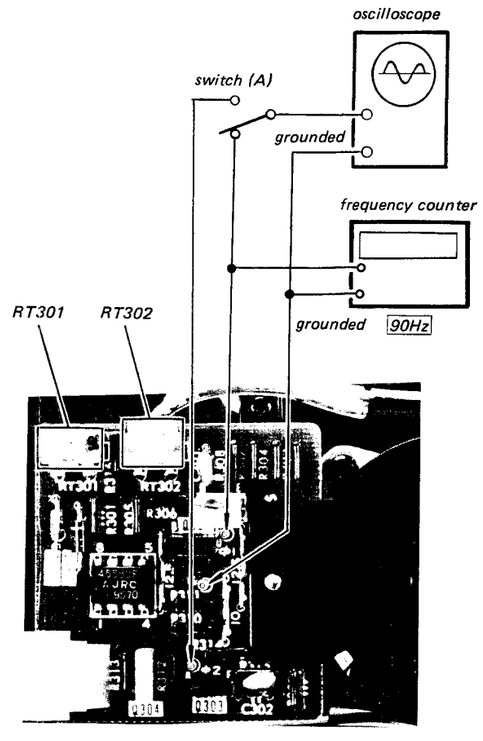
Fan Motor Adjustment

Procedure:

1. Adjust RT302 so that the waveform on the oscilloscope becomes as shown below when switching over the switch (A) (Speed Adjustment).



2. Adjust RT301 for 90Hz reading on the counter (Balance Adjustment).



SECTION 4
DIAGRAMS

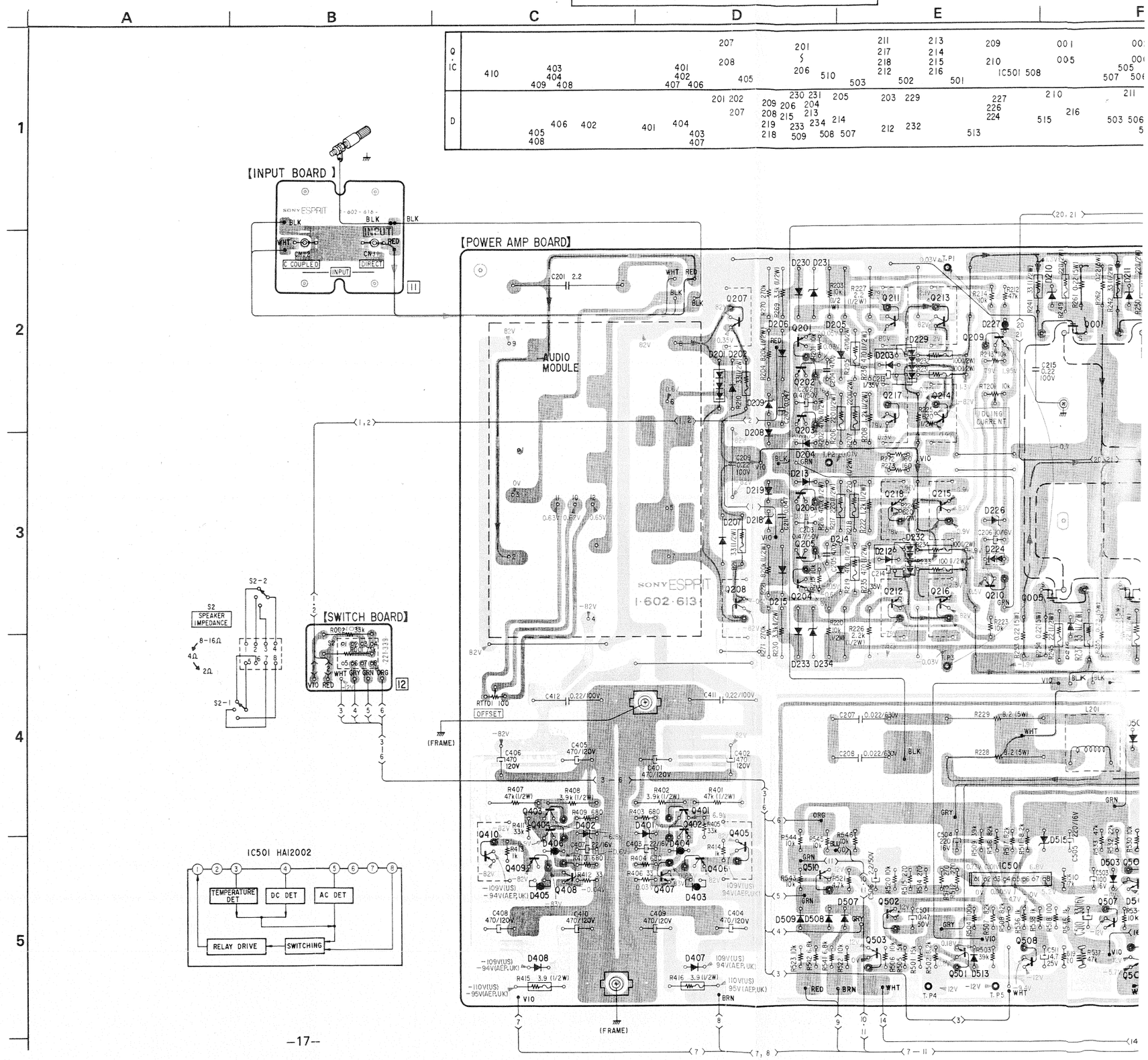
4-1. MOUNTING DIAGRAMS
– Conductor Side –

● **Refer to page 28 for semiconductor lead layout.**

Note:
- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ▒▒▒ : B+ pattern
- ▒▒▒ : B– pattern
- ═══ : signal path
- Voltages and voltage waveforms are dc with respect to ground unless otherwise noted.
  Voltages and voltage waveforms in the inverter circuit are dc with respect to the negative conductor side of C706.
- Readings are taken under no-signal conditions with a VOM (20kΩ/V).

	S2 (SPEAKER IMPEDANCE) POSITION
no-mark	8 – 16Ω
( )	4Ω
< >	2Ω

When audio module is deffective, replace it as audio module block (A-4388-246-A).



E F G H I J K L

【POWER SUB BOARD】

【AC LINE BOARD】

AEP, UK MODEL

US MODEL

AEP, UK MODEL

【REGULATOR BOARD】

【MOTOR BOARD】

FAN MOTOR

【INVERTER BOARD】

AEP, UK MODEL

US MODEL

(FRAME)

(HEAT SINK)

(SWITCH BOX)

SPEAKER IMPEDANCE 2 – 16Ω

OUTPUT

BALANCE

SPEED

DUNG CURRENT

H I J K L M N O

Q
IC
D

1 2 3 4 5

【AC LINE BOARD】
AEP, UK MODEL
US MODEL
AEP, UK MODEL
【REGULATOR BOARD】
【INVERTER BOARD】
【PLPS SUB BOARD】
【MOTOR BOARD】
FAN MOTOR
T701 (COMPONENT SIDE VIEW)
(HEAT SINK)
(SWITCH BOX)
(FRAME)
BALANCE
SPEED
SONY ESCORT
1-602-608

4-2. SCHEMATIC DIAGRAM

A B C D E F G H

1 2 3 4 5

[POWER AMP BOARD]

AUDIO MODULE

Q101,103 2SA1138 VARISTOR
Q104,105 2SA1138 CURRENT MIRROR
Q106 2SA1138 CURRENT REG
Q107,108 2SC2676 CASCADE
Q109 2SK244 DIFFERENTIAL AMP
Q110 2SD668 CURRENT REG
Q111 2SC2676 VARISTOR
Q102 2N5118 CURRENT MIRROR
Q112 2SA836 CLASS-A AMP
Q113 2SB648A CASCADE
Q114,115 2SD668A CURRENT REG
Q207 2SC2682 PRE-DRIVER
Q208 2SA1142
Q209 2SD668A BIAS
Q210 2SB648A
Q211,214,216,218 2SA1142 — DISTORTION REDUCTION CIRCUIT —
Q212,213,215,217 2SC2682
Q001—004 2SK173 FINAL AMP
D210,211,220,221 HZ6C2L

[INPUT BOARD]
INPUT
CNJ1
DIRECT
CNJ2
C COUPLED

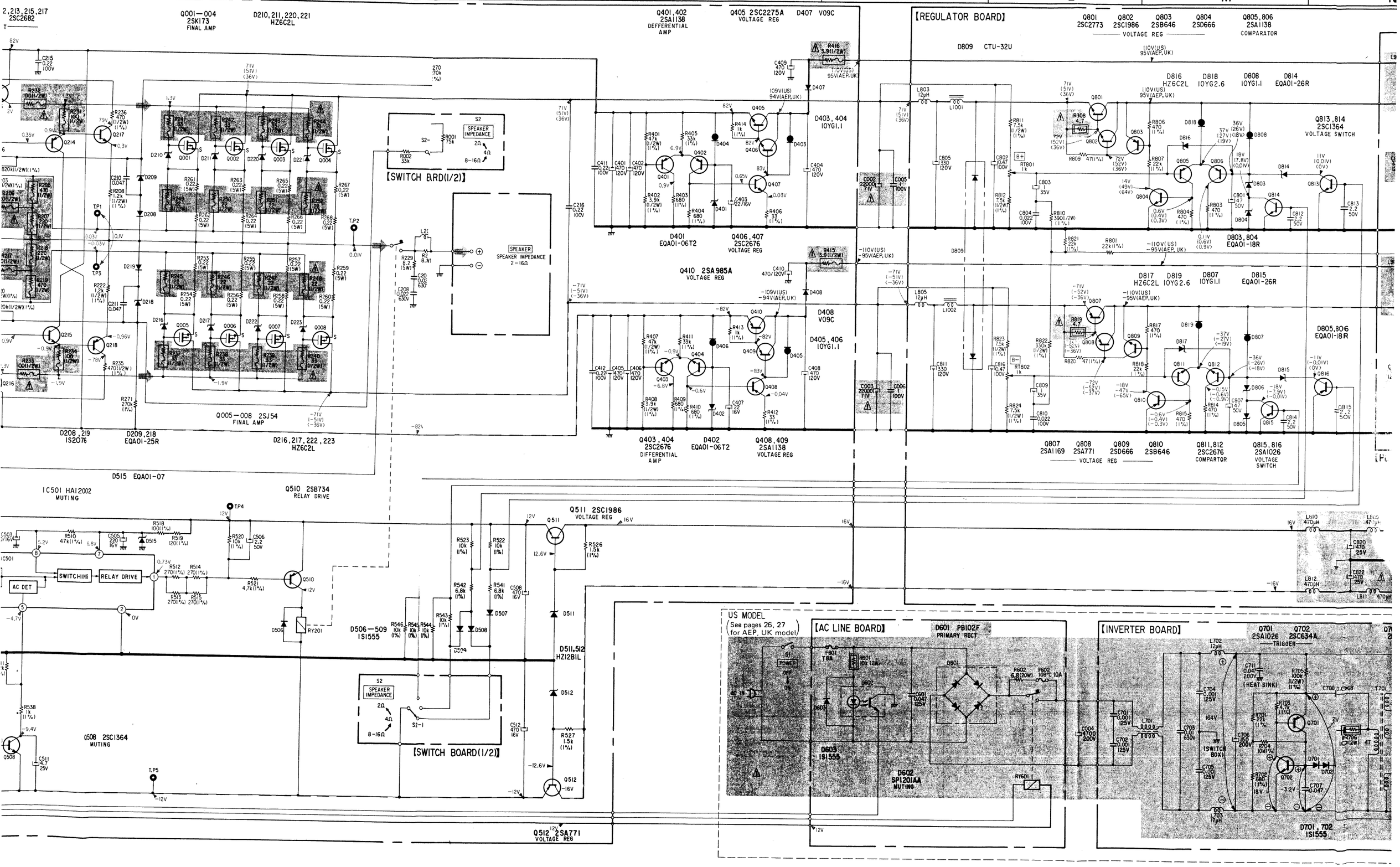
D104 HZ11A2L
D101 EQA01-06R
D103 EQA01-20R
D102 EQA01-06R
D105 MV104V
D106,107 10YG1.1
D108 10YG3.5
D226 HZ6C2L
D227 10YG1.1
D224 MV12N
D232 SV04S
D201 MV203V
D202,207 1S1555
D230 1S1555
D231 HZ12C3L
D203,206,212,215 1S2076
D205,214 1T22A
D229 SV04S
D204,213 1S2076
D208,219 1S2076
D209,218 EQA01-25R
D216,217,222,223 HZ6C2L
Q005—008 2SJ54 FINAL AMP

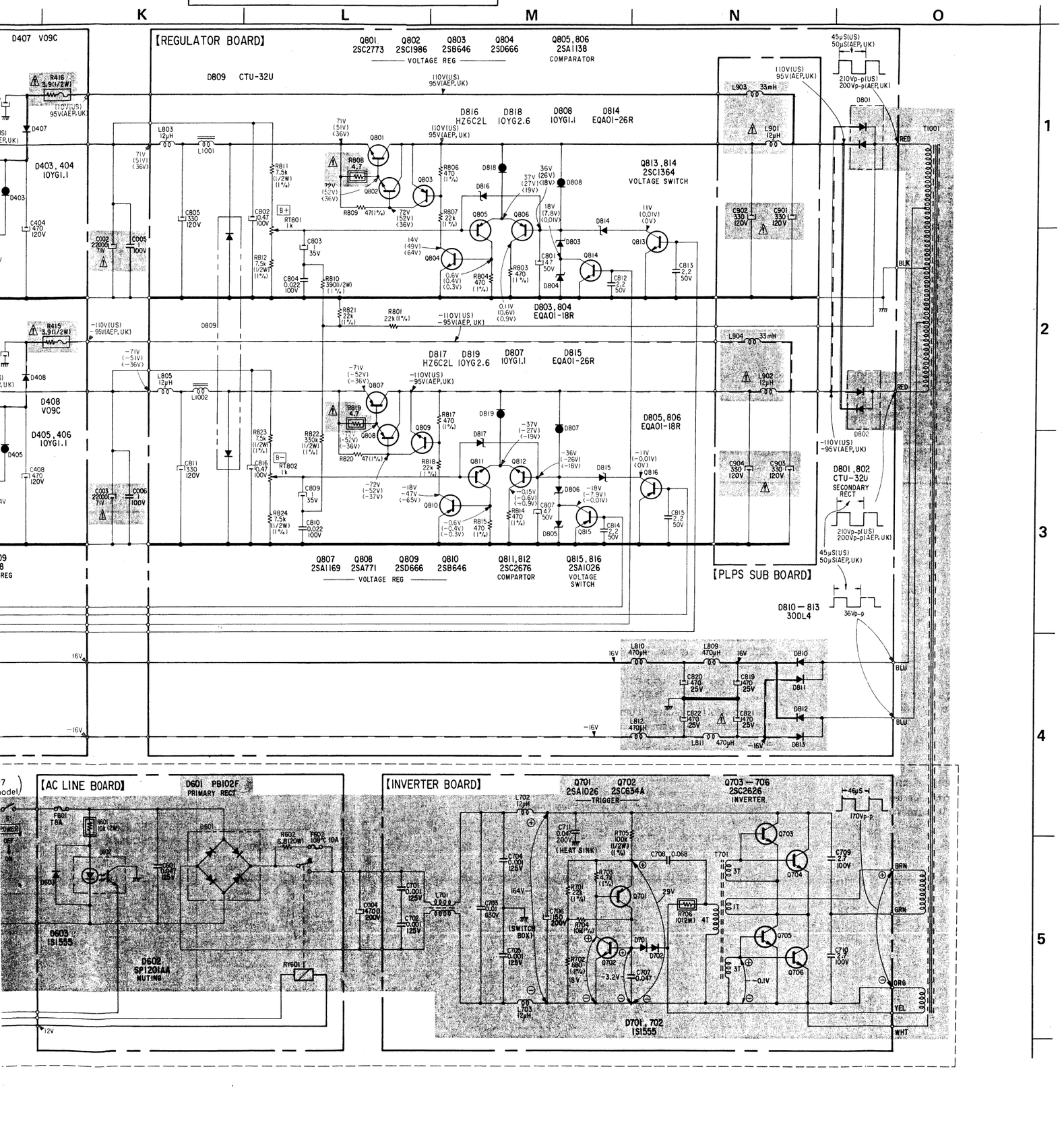
[MOTOR BOARD]
FAN MOTOR
IC301 NJM4558D-FA FAN MOTOR DRIVE
Q301 Q302 2SD414 2SB548 FAN MOTOR DRIVE
D301 EQA01-08R
D302 1S1555
H301,302 F1410 HALL DEVICE
Q303 Q304 2SD414 2SB548 FAN MOTOR DRIVE

Q501,502 2SC1364 TEMPERATURE DET
Q503 2SA1026 FAN MOTOR SWITCH
D233 1S1555
D234 HZ12C3L
D501 1S1555
D502 EQA01-05R
D503 1S1555
D504 EQA01-06T2
D513 1S1555
D515 EQA01-07
IC501 HAI2002 MUTING
Q504 2SC1364 RELAY DRIVE
Q505,507 2SC1364 MUTING
Q506 2SB734 LAMP DRIVE
Q508 2SC1364 MUTING
Q510 2SB734 RELAY DRIVE
D506—509 1S1555
RY201

[SWITCH BRD(1/2)]
S2 SPEAKER IMPEDANCE 2Ω 4Ω 8-16Ω
WITCH BO

F G H I J K L M N


2,213,215,217
2SC2682
Q001—004
2SK173
FINAL AMP
D210,211,220,221
HZ6C2L
Q401,402
2SA1138
DEFFERENTIAL AMP
Q405 2SC2275A
VOLTAGE REG
D407 V09C
【REGULATOR BOARD】
Q801 2SC2773
Q802 2SC1986
Q803 2SB646
Q804 2SD666
VOLTAGE REG
Q805,806
2SA1138
COMPARATOR
D809 CTU-32U
D816 HZ6C2L
D818 10YG2.6
D808 10YG1.1
D814 EQA01-26R
Q813,814
2SC1364
VOLTAGE SWITCH
【SWITCH BRD(1/2)】
S2
SPEAKER IMPEDANCE
2Ω 4Ω 8-16Ω
SPEAKER
SPEAKER IMPEDANCE
2-16Ω
D403,404
10YG1.1
D401
EQA01-06T2
Q406,407
2SC2676
VOLTAGE REG
Q410 2SA985A
VOLTAGE REG
D408
V09C
D405,406
10YG1.1
D803,804
EQA01-18R
D817 HZ6C2L
D819 10YG2.6
D807 10YG1.1
D815 EQA01-26R
D805,806
EQA01-18R
Q403,404
2SC2676
DIFFERENTIAL AMP
D402
EQA01-06T2
Q408,409
2SA1138
VOLTAGE REG
Q807 2SA1169
Q808 2SA771
Q809 2SD666
Q810 2SB646
VOLTAGE REG
Q811,812
2SC2676
COMPARTOR
Q815,816
2SA1026
VOLTAGE SWITCH
D208,219
1S2076
D209,218
EQA01-25R
D216,217,222,223
HZ6C2L
D515 EQA01-07
Q005—008 2SJ54
FINAL AMP
IC501 HA12002
MUTING
Q510 2SB734
RELAY DRIVE
Q511 2SC1986
VOLTAGE REG
SWITCHING
RELAY DRIVE
AC DET
D506—509
1S1555
D511,512
HZ12B1L
Q512 2SA771
VOLTAGE REG
Q508 2SC1364
MUTING
【SWITCH BOARD(1/2)】
US MODEL
(See pages 26, 27 for AEP, UK model)
【AC LINE BOARD】
D601 PB102F
PRIMARY RECT
D603
1S1555
D602
SP1201AA
MUTING
【INVERTER BOARD】
Q701 2SA1026
Q702 2SC634A
TRIGGER
D701,702
1S1555



Note:

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ : 1000Ω, MΩ : 1000kΩ
- 1% (resistor) indicates compornent tolerance. (1% of the schematic diagram is omitted in the mounting diagrams.)
- : nonflammable resistor.
- : fusible resistor.
- : **signal path**
- : adjustment for repair.
- : B+ bus.
- : B- bus.
- Voltages and voltage waveforms are dc with respect to ground unless otherwise noted.
  Voltages and voltage waveforms in the inverter circuit are dc with respect to the negative conductor side of C706.
- Readings are taken under no-signal conditions with a VOM (20kΩ/V).

	S2 (SPEAKER IMPEDANCE) POSITION
no-mark	8 – 16Ω
( )	4Ω
< >	2Ω

- Voltage variations may be noted due to normal production tolerances.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When audio module is deffective, replace it as audio module block (A-4388-246-A).

A B C D E F

1

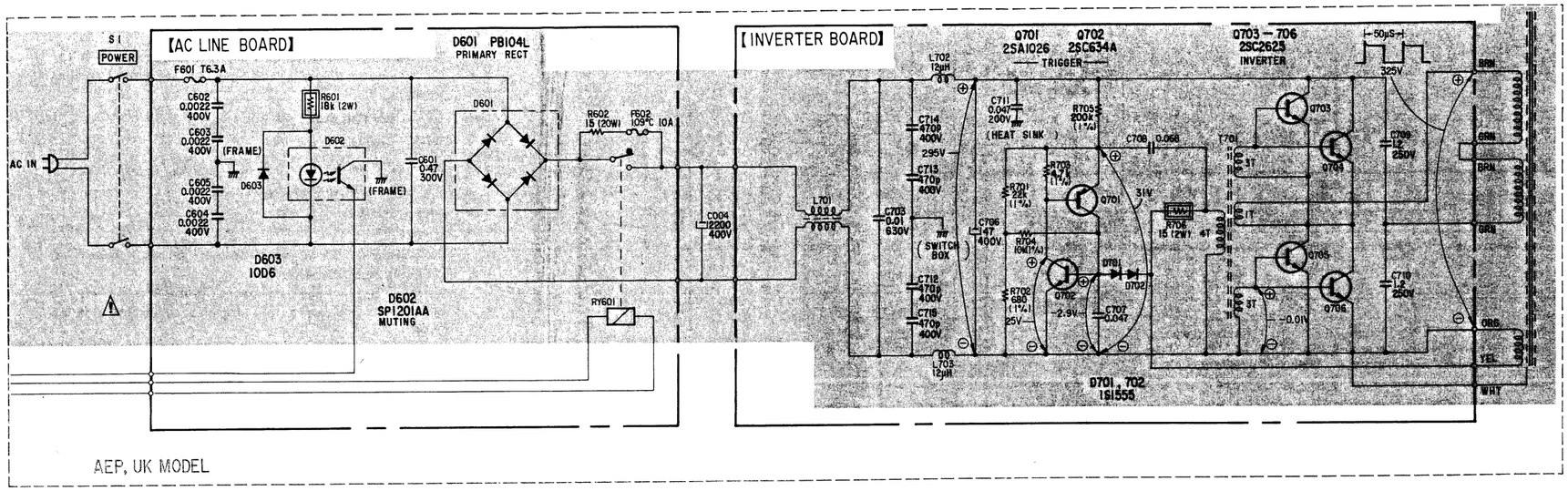
2

3

4

5

4-3. SCHEMATIC DIAGRAM
– AC Line Board and Inverter Board –
(AEP, UK model)



AEP, UK MODEL

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

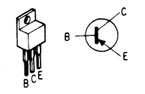
Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

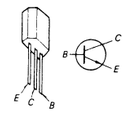
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, ¼ W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- 1% (resistor) indicates component tolerance. (1% of the schematic diagram is omitted in the mounting diagrams.)
- : nonflammable resistor.
- : fusible resistor.
- Voltages and voltage waveforms in the inverter circuit are measured with respect to the negative conductor side of C706.
- Readings are taken in the no signal condition.

- Semiconductor Lead Layout.

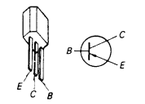
2SA771
2SA985A



2SC634A



2SA1026
2SA1027R



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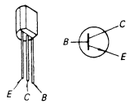
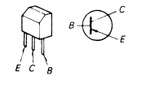
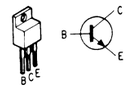


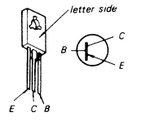
2SA1138
2SB734



2SC1986
2SC2275A



2SA1142
2SB548
2SB648A



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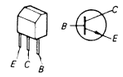
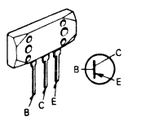


2SA1169



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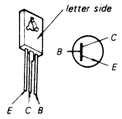
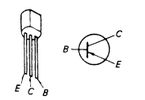
2SD414
2SD668A



2SB646
2SB646A
2SB740



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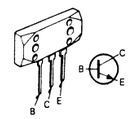

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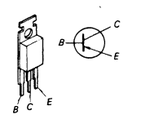

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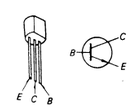
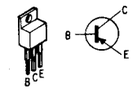
2SD666A



• Semiconductor Lead Layout.

2SA771
2SA985A



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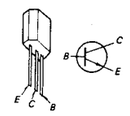

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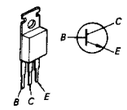
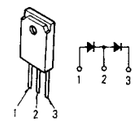
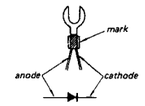


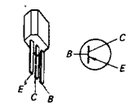
CTU-32U



SV04S



2SA1026
2SA1027R



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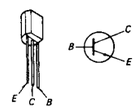
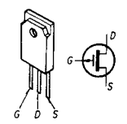
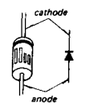


2SJ54

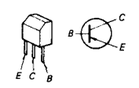


EQA01-05R
EQA01-06R
EQA01-06T2
EQA01-07
EQA01-08R
EQA01-18R
EQA01-25R
EQA01-26R



V09C

2SA1138
2SB734



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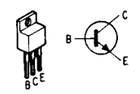
2SC2275A



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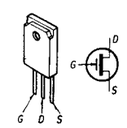
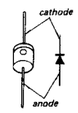
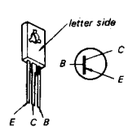


10D6



2SA1142
2SB548
2SB648A



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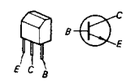
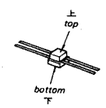
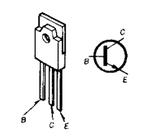


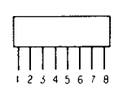
F1410



2SC2625
2SC2626



HA12002



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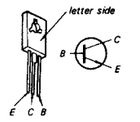
2SD668A



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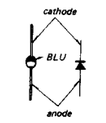

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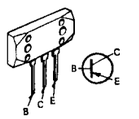

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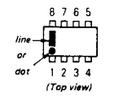

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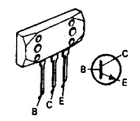

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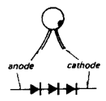

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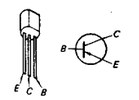
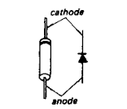
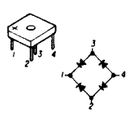
2SB646A
2SB740



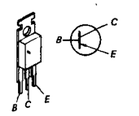
1S1555
1S2076
1T22A
1T22AM
30DL4
HZ6C2L
HZ12C3L
HZ12B1L



PB102F
PB104L



2SB720



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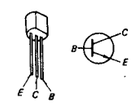
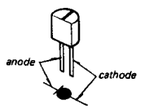
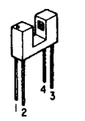
2SD666A



10YG1.1
10YG1.5
10YG2.6

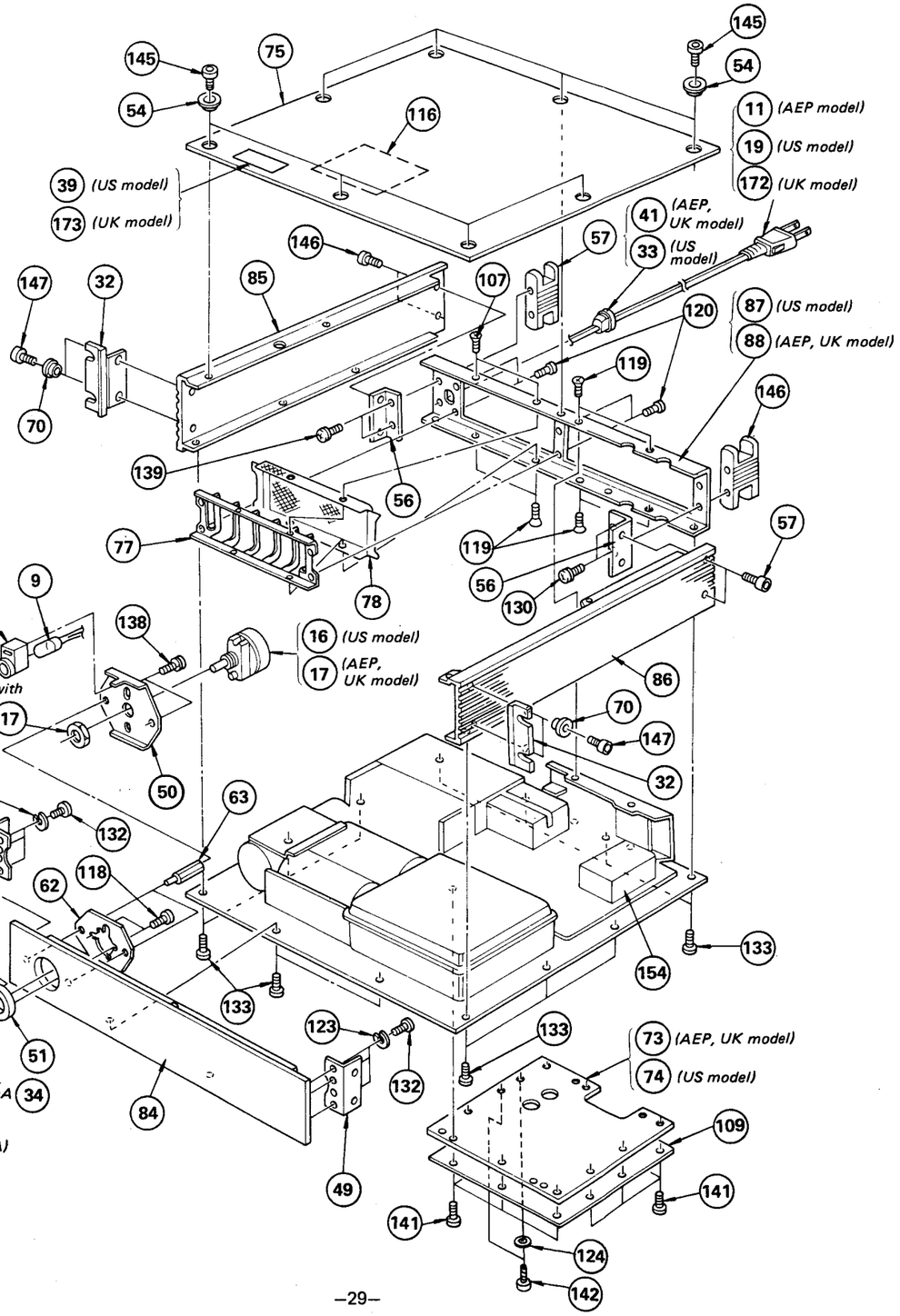


SPI201
SPI201AA

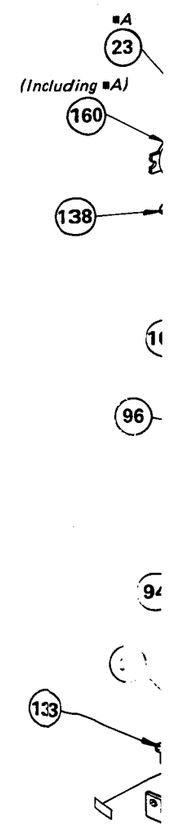


SECTION 5
EXPLODED VIEWS AND PARTS LIST

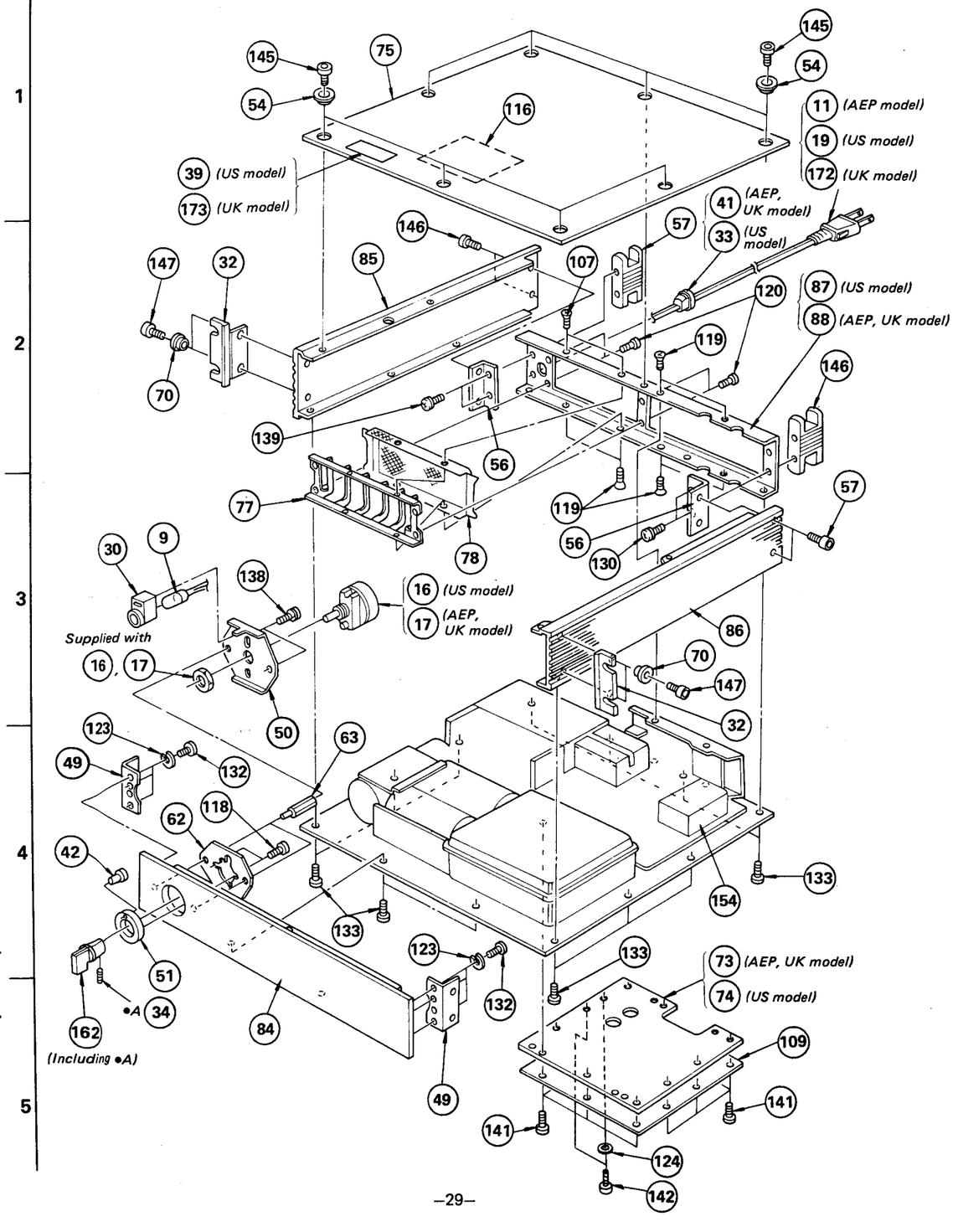
5-1.



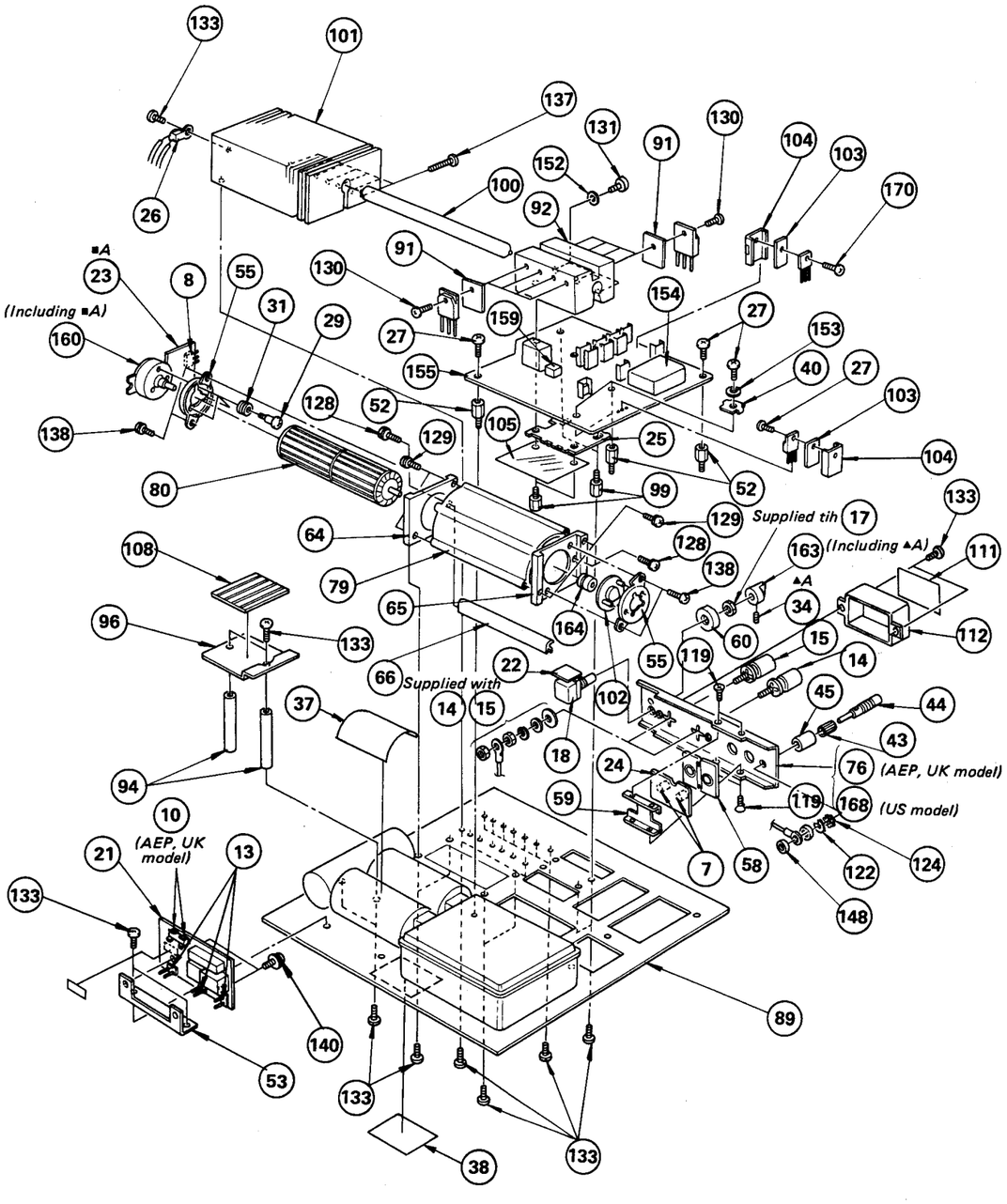
5-2.



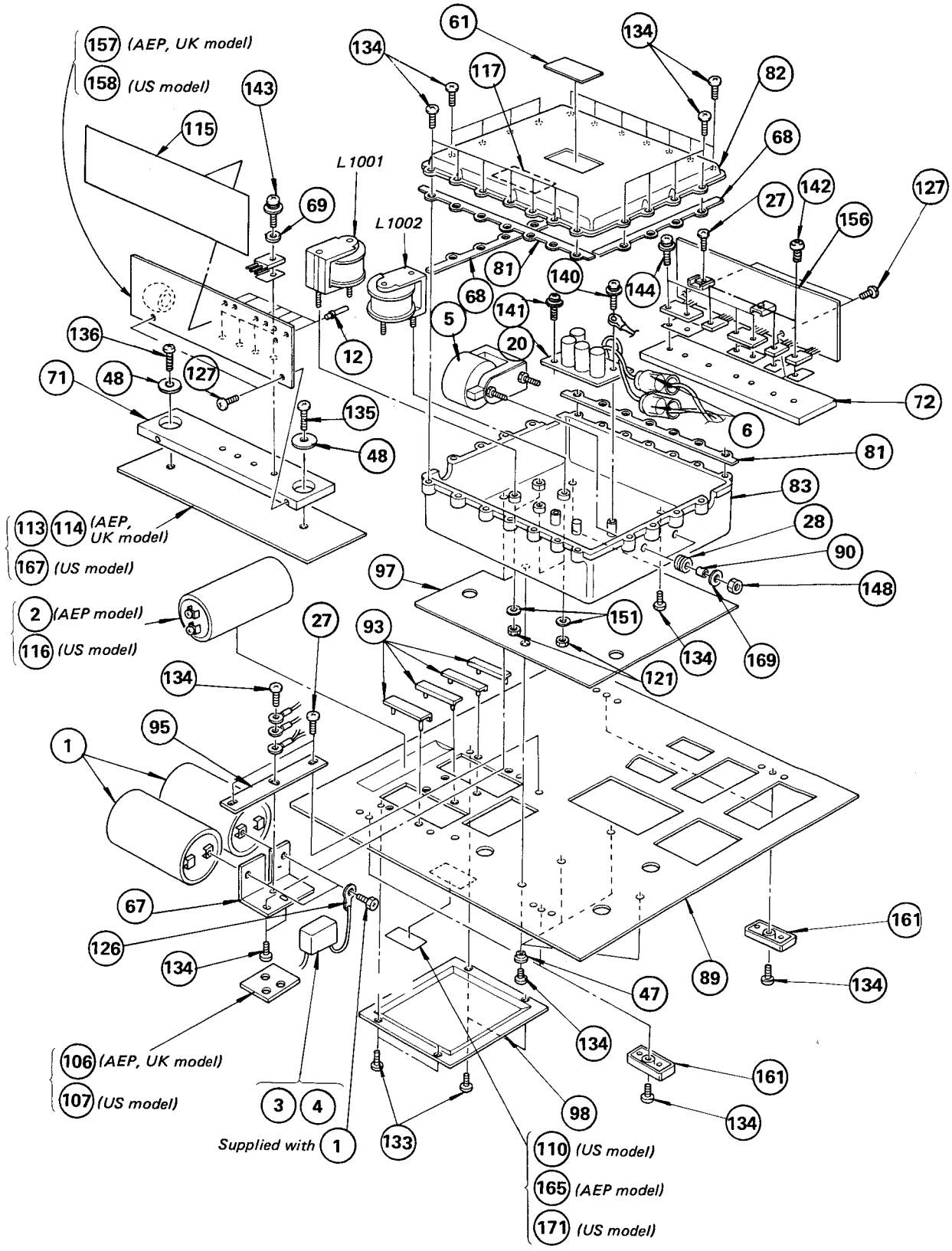
5-1.


145
75
54
116
11 (AEP model)
19 (US model)
172 (UK model)
39 (US model)
173 (UK model)
41 (AEP, UK model)
33 (US model)
146
57
147
32
85
107
87 (US model)
88 (AEP, UK model)
120
119
70
146
139
56
77
78
119
57
56
130
30
9
138
16 (US model)
17 (AEP, UK model)
Supplied with
16, 17
50
86
70
147
32
123
49
132
63
62
118
42
133
154
133
123
133
73 (AEP, UK model)
74 (US model)
132
51
•A
34
162
(Including •A)
84
49
109
141
141
124
142

5-2.


133
101
137
131
91
130
104
103
152
100
92
170
26
■A
23
(Including ■A)
160
8
55
31
29
130
91
154
27
159
27
153
155
40
27
128
52
105
25
103
138
129
104
80
99
52
129
Supplied tih
17
133
64
128
(Including ▲A)
163
111
108
138
▲A
79
65
34
164
60
15
112
96
133
55
119
14
66
Supplied with
22
102
45
44
14
15
37
18
43
24
76 (AEP, UK model)
59
119
168 (US model)
94
7
58
122
124
10
(AEP, UK model)
21
13
133
148
89
140
53
133
133
38
133

5-3.


157 (AEP, UK model)
158 (US model)
143
115
69
L1001
L1002
61
134
117
82
68
27
142
156
127
81
140
144
68
141
5
20
12
136
71
48
127
135
48
72
6
81
83
28
90
148
97
151
134
169
121
93
113 114 (AEP, UK model)
167 (US model)
2 (AEP model)
116 (US model)
27
134
95
1
67
126
134
106 (AEP, UK model)
107 (US model)
3 4
Supplied with 1
133
98
110 (US model)
165 (AEP model)
171 (US model)
47
89
161
134
161
134

GENERAL SECTION

No.	Part No.	Description
91	4-870-254-00	SHEET, RADIATION
92	♦4-870-255-00	BLOCK (E)
93	♦4-870-260-00	CUSHION, CAPACITOR
94	♦4-870-261-00	SUPPORT
95	♦4-870-262-00	PLATE (B), GROUND
96	♦4-870-263-00	PLATE (B), HOLD, C
97	♦4-870-264-00	INSULATOR
98	♦4-870-265-00	CASE, CAPACITOR
99	♦4-870-266-00	SUPPORT, BLOCK
100	4-870-267-00	HEAT PIPE
101	♦4-870-268-00	HEAT BLOCK
102	4-870-269-00	HOUSING, FAN METAL
103	4-870-272-00	HEAT SINK
104	♦4-870-273-00	HEAT SINK (E)
105	♦4-870-274-00	INSULATOR (B)
106	♦4-870-275-00	PLATE, ORNAMENTAL, GROUND***(AEP,UK)
107	♦4-870-275-11	PLATE, ORNAMENTAL, GROUND***(US)
108	4-870-276-00	SHEET, ORNAMENTAL RUBBER
109	♦4-870-277-00	PLATE, ORNAMENTAL, PUNCHING
110	♦4-870-282-00	LABEL, MODEL NUMBER***(US)
111	♦4-870-283-00	LABEL, CAUTION***(US)
112	♦4-870-284-00	COVER, TERMIRAL***(US)
113	♦4-870-286-01	SHEET, INSULATING***(AEP,UK)
114	♦4-870-286-11	SHEET, INSULATING***(AEP,UK)
115	♦4-870-287-00	SHEET, INSULATING***(AEP,UK)
116	♦4-870-288-00	BARRIER, TOP PLATE***(US)
117	♦4-870-289-00	SHEET, INSULATING***(AEP,UK)
118	7-621-284-00	SCREW +P 2.6X4
119	7-621-559-48	SCREW +K 2.6X6
120	7-621-775-20	SCREW +B 2.6X5
121	7-622-205-05	N 2, TYPE 2
122	7-623-208-22	SW 3,TYPE 2
123	7-623-212-22	SW 5,TYPE 2
124	7-623-422-07	LW 3, TYPE B
125	7-623-508-01	LUG, 3
126	7-623-510-01	LUG, 4
127	7-628-254-10	SCREW +PS 2.6X6
128	7-628-254-20	SCREW +PS 2.6X8
129	7-628-254-30	SCREW +PS 2.6X10
130	7-682-149-15	SCREW +P 3X10
131	7-682-168-15	SCREW +P 4X30
132	7-682-174-09	SCREW +P 5X8
133	7-682-547-09	SCREW +B 3X6
134	7-682-548-09	SCREW +B 3X8
135	7-682-550-09	SCREW +B 3X12

GENERAL SECTION

No.	Part No.	Description
136	7-682-551-09	SCREW +B 3X14
137	7-682-555-09	SCREW +B 3X30
138	7-682-646-09	SCREW +PS 3X5
139	7-682-663-09	SCREW +PS 4X12
140	7-682-947-09	SCREW +PSW 3X6
141	7-682-948-09	SCREW +PSW 3X8
142	7-682-949-01	SCREW +PSW 3X10
143	7-682-949-09	SCREW +PSW 3X10
144	7-682-950-09	SCREW +PSW 3X12
145	7-683-402-04	BOLT,HEXAGON SOCKET 3X5
146	7-683-418-04	BOLT,HEXAGON SOCKET 4X6
147	7-683-421-04	BOLT,HEXAGON SOCKET 4X12
148	7-684-023-04	N 3, TYPE 2
149	7-685-534-24	SCREW +BTP 2.6X8 TYPE2 N-S
150	7-686-530-01	SCREW, TOTSU PSW 3X12
151	7-688-001-11	W 2, MIDDLE
152	7-688-004-03	W 4, SMALL
153	7-688-004-11	W 4, MIDDLE
154	A-4388-246-A	AUDIO MODULE ASSY
155	♦A-4388-253-A	MOUNTED PCB, AMPLIFIER, POWER
156	♦A-4394-208-A	MOUNTED PCB, SUB, PLPS
157	♦A-4394-233-A	MOUNTED PCB, INVERTOR***(AEP,UK)
158	♦A-4396-103-A	MOUNT ASSY, INVERTOR***(US)
159	A-4409-413-A	COIL ASSY
160	A-4490-067-A	MOTOR COMPLETE ASSY, FAN
161	X-4852-903-0	LEG ASSY
162	X-4870-208-0	KNOB ASSY
163	X-4870-209-0	KNOB ASSY, F
164	X-4870-212-0	SLEEVE (A) ASSY
165	♦4-870-291-00	LABEL, MODEL NUMBER***(AEP)
166	⚠1-125-255-00	CAP, ELECT 4700MF 200V (C004)***(US)
167	4-870-218-00	SHEET, INSULATING (A)***(US)
168	4-870-239-11	PLATE, TERMINAL, OUTER***(US)
169	3-426-119-00	WASHER
170	2-259-121-11	SCREW, TR, 3X8
171	♦4-870-292-00	LABEL, MODEL NUMBER***(UK)
172	⚠1-551-884-00	POWER CORD***(UK)
173	3-703-043-21	LABEL, MAIN CAUTION***(UK)
174	3-701-690-00	LABEL, MADE IN JAPAN***(UK)

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
181	3-701-616-00	BAG, POLYETHYLENE
182	3-701-623-00	BAG, POLYETHYLENE
183	3-701-630-00	BAG, POLYETHYLENE
184	3-783-487-11	MANUAL, INSTRUCTION***(AEP,UK)
185	3-783-487-21	MANUAL, INSTRUCTION***(US)
186	♦3-795-091-11	TAG, INSPECTION
187	3-795-097-11	INSTRUCTION***(AEP,UK)
188	3-795-097-21	INSTRUCTION***(US)
189	4-870-259-00	LABEL, INDIVIDUAL CARTON
190	4-870-278-00	INDIVIDUAL CARTON
191	4-870-279-00	CUSHION (LEFT)
192	4-870-280-00	CUSHION (RIGHT)
193	7-721-130-20	L-WRENCH (3.0)

ELECTRICAL PARTS

Ref.No.	Part No.	Description		
C201	1-130-208-00	FILM	2.2MF	10%
C204	1-102-114-00	CERAMIC	470PF	10% 50V
C205	1-102-114-00	CERAMIC	470PF	10% 50V
C206	1-123-288-00	ELECT	10MF	20% 16V
C207	1-130-335-00	FILM	0.022MF	5% 630V
C208	1-130-335-00	FILM	0.022MF	5% 630V
C401	1-123-624-00	ELECT	470MF	20% 120V
C402	1-123-624-00	ELECT	470MF	20% 120V
C403	1-131-520-00	TANTALUM	22MF	20% 16V
C404	1-123-624-00	ELECT	470MF	20% 120V
C405	1-123-624-00	ELECT	470MF	20% 120V
C406	1-123-624-00	ELECT	470MF	20% 120V
C407	1-131-520-00	TANTALUM	22MF	20% 16V
C408	1-123-624-00	ELECT	470MF	20% 120V
C409	1-123-624-00	ELECT	470MF	20% 120V
C410	1-123-624-00	ELECT	470MF	20% 120V
C601	⚠1-130-342-00	FILM	0.47MF	20% 300V***(AEP,UK)
C601	⚠1-130-234-00	FILM	0.047MF	20% 125V***(US)
C602	⚠1-161-734-00	CERAMIC	0.0022MF	20% 400V***(AEP,UK)
C603	⚠1-161-734-00	CERAMIC	0.0022MF	20% 400V***(AEP,UK)
C604	⚠1-161-734-00	CERAMIC	0.0022MF	20% 400V***(AEP,UK)
C605	⚠1-161-734-00	CERAMIC	0.0022MF	20% 400V***(AEP,UK)
C701	⚠1-161-746-00	CERAMIC	1000PF	10% 125V***(US)
C702	⚠1-161-746-00	CERAMIC	1000PF	10% 125V***(US)
C703	⚠1-130-141-00	MYLAR	0.01MF	20% 630V
C704	⚠1-161-746-00	CERAMIC	1000PF	10% 125V***(US)
C705	⚠1-161-736-00	CERAMIC	1000PF	10% 125V***(US)
C706	⚠1-125-257-00	ELECT(BLOCK)	47MF	20% 400V***(AEP,UK)
C706	⚠1-125-253-00	ELECT	150MF	20% 200V***(US)
C707	⚠1-108-595-00	MYLAR	0.047MF	5% 50V
C708	⚠1-108-599-00	MYLAR	0.068MF	5% 50V
C709	⚠1-130-358-00	FILM	1.2MF	10% 250V***(AEP,UK)
C709	⚠1-130-695-00	FILM	2.7MF	10% 100V***(US)
C710	⚠1-130-358-00	FILM	1.2MF	10% 250V***(AEP,UK)
C710	⚠1-130-695-00	FILM	2.7MF	10% 100V***(US)
C711	⚠1-106-383-00	MYLAR	0.047MF	5% 200V
C712	⚠1-161-736-00	CERAMIC	470PF	20% 400V***(AEP,UK)
C713	⚠1-161-736-00	CERAMIC	470PF	20% 400V***(AEP,UK)
C714	⚠1-161-736-00	CERAMIC	470PF	20% 400V***(AEP,UK)
C715	⚠1-161-736-00	CERAMIC	470PF	20% 400V***(AEP,UK)
C802	1-123-379-00	ELECT	0.47MF	20% 100V
C803	1-131-450-00	TANTALUM	1MF	20% 35V
C804	1-130-305-00	FILM	0.022MF	5% 100V
C805	1-123-623-00	ELECT	330MF	20% 120V
C807	1-123-413-	ELECT	47MF	20% 50V
C810	1-130-305-00	FILM	0.022MF	5% 100V
C811	1-123-623-00	ELECT	330MF	20% 120V
C812	1-123-230-00	ELECT	2.2MF	20% 50V
C813	1-123-230-00	ELECT	2.2MF	20% 50V
C814	1-123-230-00	ELECT	2.2MF	20% 50V

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C815	1-123-230-00	ELECT	2.2MF	20%	50V
C819 ⚠	1-123-497-00	ELECT	470MF	20%	25V
C820 ⚠	1-123-497-00	ELECT	470MF	20%	25V
C821 ⚠	1-123-497-00	ELECT	470MF	20%	25V
C822 ⚠	1-123-497-00	ELECT	470MF	20%	25V
C901 ⚠	1-123-623-00	ELECT	330MF	20%	120V
C902 ⚠	1-123-623-00	ELECT	330MF	20%	120V
C903 ⚠	1-123-623-00	ELECT	330MF	20%	120V
C904 ⚠	1-123-623-00	ELECT	330MF	20%	120V
D201	8-719-920-30	DIODE MV-203V			
D202	8-719-815-55	DIODE 1S1555			
D203	8-719-815-55	DIODE 1S1555			
D204	8-719-815-55	DIODE 1S1555			
D205	8-719-422-21	DIODE 1T22AM			
D206	8-719-815-55	DIODE 1S1555			
D207	8-719-815-55	DIODE 1S1555			
D208	8-719-815-55	DIODE 1S1555			
D209	8-719-936-25	DIODE EQA01-25R			
D210	8-719-910-68	DIODE HZ6C2L			
D211	8-719-910-68	DIODE HZ6C2L			
D212	8-719-815-55	DIODE 1S1555			
D213	8-719-815-55	DIODE 1S1555			
D214	8-719-422-21	DIODE 1T22AM			
D215	8-719-815-55	DIODE 1S1555			
D216	8-719-910-68	DIODE HZ6C2L			
D217	8-719-910-68	DIODE HZ6C2L			
D218	8-719-936-25	DIODE EQA01-25R			
D219	8-719-815-55	DIODE 1S1555			
D220	8-719-910-68	DIODE HZ6C2L			
D221	8-719-910-68	DIODE HZ6C2L			
D222	8-719-910-68	DIODE HZ6C2L			
D223	8-719-910-68	DIODE HZ6C2L			
D224	8-719-912-00	DIODE MV-12N			
D226	8-719-910-68	DIODE HZ6C2L			
D227	8-719-210-15	DIODE 10YG1.5			
D229	8-719-300-11	DIODE SV04S			
D230	8-719-815-55	DIODE 1S1555			
D231	8-719-910-29	DIODE HZ12C3L			
D232	8-719-300-11	DIODE SV04S			
D233	8-719-815-55	DIODE 1S1555			
D234	8-719-910-29	DIODE HZ12C3L			
D301	8-719-936-08	DIODE EQA01-08R			
D302	8-719-815-55	DIODE 1S1555			
D401	8-719-999-64	DIODE EQA01-06T2			
D402	8-719-999-64	DIODE EQA01-06T2			
D403	8-719-210-15	DIODE 10YG1.5			
D404	8-719-210-15	DIODE 10YG1.5			
D405	8-719-210-15	DIODE 10YG1.5			
D406	8-719-210-15	DIODE 10YG1.5			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D407	8-719-900-93	DIODE V09C
D408	8-719-900-93	DIODE V09C
D501	8-719-815-55	DIODE 1S1555
D502	8-719-916-05	DIODE EQA01-05R
D503	8-719-815-55	DIODE 1S1555
D504	8-719-999-64	DIODE EQA01-06T2
D506	8-719-815-55	DIODE 1S1555
D507	8-719-815-55	DIODE 1S1555
D508	8-719-815-55	DIODE 1S1555
D509	8-719-815-55	DIODE 1S1555
D511	8-719-910-24	DIODE HZ12B1L
D512	8-719-910-24	DIODE HZ12B1L
D513	8-719-815-55	DIODE 1S1555
D515	8-719-931-07	DIODE EQB01-07
D601 ⚠	8-719-211-02	DIODE PB102F***(US)
D601 ⚠	8-719-201-04	DIODE PB104L***(AEP,UK)
D602 ⚠	8-719-902-01	DIODE SPI201-AA
D603 ⚠	8-719-305-15	DIODE GH3F***(AEP,UK)
D603 ⚠	8-719-815-55	DIODE 1S1555***(US)
D701 ⚠	8-719-815-55	DIODE 1S1555
D702 ⚠	8-719-815-55	DIODE 1S1555
D801 ⚠	8-719-301-32	DIODE CTU-32U
D802 ⚠	8-719-301-32	DIODE CTU-32U
D803	8-719-936-18	DIODE EQA01-18R
D804	8-719-936-18	DIODE EQA01-18R
D805	8-719-936-18	DIODE EQA01-18R
D806	8-719-936-18	DIODE EQA01-18R
D807	8-719-210-15	DIODE 10YG1.5
D808	8-719-210-15	DIODE 10YG1.5
D809	8-719-301-32	DIODE CTU-32U
D810 ⚠	8-719-230-24	DIODE 30DL4
D811 ⚠	8-719-230-24	DIODE 30DL4
D812 ⚠	8-719-230-24	DIODE 30DL4
D813 ⚠	8-719-230-24	DIODE 30DL4
D814	8-719-936-26	DIODE EQA01-26R
D815	8-719-936-26	DIODE EQA01-26R
D816	8-719-910-68	DIODE HZ6C2L
D817	8-719-910-68	DIODE HZ6C2L
D818	8-719-212-65	DIODE 10YG2.6
D819	8-719-212-65	DIODE 10YG2.6
F601 ⚠	1-532-325-00	FUSE, 6.3A***(AEP,UK)
F601 ⚠	1-532-550-00	FUSE, 8A***(US)
F602 ⚠	1-532-496-00	FUSE, THERMO, 10A,109°C
H301	8-719-841-01	DIODE F1410
H302	8-719-841-01	DIODE F1410
IC301	8-759-700-58	IC NJM4558DFA
IC501	8-759-320-02	IC HA12002
J201 ♦	1-535-149-11	WIRE (30.0MM)
J204 ♦	1-535-149-11	WIRE (30.0MM)

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L701 ⚠	1-421-349-00	COIL, CHOKE***(AEP,UK)
L701 ⚠	1-421-395-00	COIL, LINE FILTER***(US)
L702 ⚠	1-421-370-00	COIL, CHOKE, 12UH
L703 ⚠	1-421-370-00	COIL, CHOKE, 12UH
L803	1-421-370-00	COIL, CHOKE
L805	1-421-370-00	COIL, CHOKE
L809 ⚠	1-407-488-31	MICRO INDUCTOR 470UH
L810 ⚠	1-407-488-31	MICRO INDUCTOR 470UH
L811 ⚠	1-407-488-31	MICRO INDUCTOR 470UH
L812 ⚠	1-407-488-31	MICRO INDUCTOR 470UH
L901 ⚠	1-421-370-00	COIL, CHOKE
L902 ⚠	1-421-370-00	COIL, CHOKE
L1001	1-421-347-00	COIL, CHOLK
L1002	1-421-347-00	COIL, CHOLK
PTH1	1-800-427-00	POSISTOR
Q001	8-765-555-10	TRANSISTOR 2SK173
Q002	8-765-555-10	TRANSISTOR 2SK173
Q003	8-765-555-10	TRANSISTOR 2SK173
Q004	8-765-555-10	TRANSISTOR 2SK173
Q005	8-765-565-10	TRANSISTOR 2SJ54
Q006	8-765-565-10	TRANSISTOR 2SJ54
Q007	8-765-565-10	TRANSISTOR 2SJ54
Q008	8-765-565-10	TRANSISTOR 2SJ54
Q201	8-729-612-77	TRANSISTOR 2SA1027R
Q202	8-769-663-47	TRANSISTOR 2SC1364
Q203	8-769-663-47	TRANSISTOR 2SC1364
Q204	8-769-663-47	TRANSISTOR 2SC1364
Q205	8-729-612-77	TRANSISTOR 2SA1027R
Q206	8-729-612-77	TRANSISTOR 2SA1027R
Q207	8-729-168-22	TRANSISTOR 2SC2682
Q208	8-729-114-22	TRANSISTOR 2SA1142
Q209	8-729-366-81	TRANSISTOR 2SD668A
Q210	8-729-364-81	TRANSISTOR 2SB648A
Q211	8-729-114-22	TRANSISTOR 2SA1142
Q212	8-729-168-22	TRANSISTOR 2SC2682
Q213	8-729-168-22	TRANSISTOR 2SC2682
Q214	8-729-114-22	TRANSISTOR 2SA1142
Q215	8-729-168-22	TRANSISTOR 2SC2682
Q216	8-729-114-22	TRANSISTOR 2SA1142
Q217	8-729-168-22	TRANSISTOR 2SC2682
Q218	8-729-114-22	TRANSISTOR 2SA1142
Q301	8-729-141-43	TRANSISTOR 2SD414
Q302	8-729-154-83	TRANSISTOR 2SB548
Q303	8-729-141-43	TRANSISTOR 2SD414
Q304	8-729-154-83	TRANSISTOR 2SB548
Q401	8-729-113-82	TRANSISTOR 2SA1138
Q402	8-729-113-82	TRANSISTOR 2SA1138
Q403	8-729-167-62	TRANSISTOR 2SC2676
Q404	8-729-167-62	TRANSISTOR 2SC2676
Q405	8-729-107-53	TRANSISTOR 2SC2275A

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
Q406	8-729-167-62	TRANSISTOR 2SC2676			
Q407	8-729-167-62	TRANSISTOR 2SC2676			
Q408	8-729-113-82	TRANSISTOR 2SA1138			
Q409	8-729-113-82	TRANSISTOR 2SA1138			
Q410	8-729-190-53	TRANSISTOR 2SA985A			
Q501	8-769-663-47	TRANSISTOR 2SC1364			
Q502	8-769-663-47	TRANSISTOR 2SC1364			
Q503	8-729-612-77	TRANSISTOR 2SA1027R			
Q504	8-769-663-47	TRANSISTOR 2SC1364			
Q505	8-769-663-47	TRANSISTOR 2SC1364			
Q506	8-729-374-02	TRANSISTOR 2SB740			
Q507	8-769-663-47	TRANSISTOR 2SC1364			
Q508	8-769-663-47	TRANSISTOR 2SC1364			
Q510	8-729-374-02	TRANSISTOR 2SB740			
Q511	8-729-398-62	TRANSISTOR 2SC1986			
Q512	8-729-377-12	TRANSISTOR 2SA771			
Q701 ⚠	8-729-612-77	TRANSISTOR 2SA1027R			
Q702 ⚠	8-729-663-47	TRANSISTOR 2SC1364			
Q703					
Q704 ⚠	X-4870-214-1	TRANSISTOR ASSY***(AEP,UK)			
Q705					
Q706					
Q703					
Q704 ⚠	X-4870-213-1	TRANSISTOR ASSY***(US)			
Q705					
Q706					
Q801	8-729-377-31	TRANSISTOR 2SC2773			
Q802	8-729-398-62	TRANSISTOR 2SC1986			
Q803	8-729-304-62	TRANSISTOR 2SB646A			
Q804	8-729-300-62	TRANSISTOR 2SD666A			
Q805	8-729-113-82	TRANSISTOR 2SA1138			
Q806	8-729-113-82	TRANSISTOR 2SA1138			
Q807	8-729-316-91	TRANSISTOR 2SA1169			
Q808	8-729-377-12	TRANSISTOR 2SA771			
Q809	8-729-300-62	TRANSISTOR 2SD666A			
Q810	8-729-304-62	TRANSISTOR 2SB646A			
Q811	8-729-167-62	TRANSISTOR 2SC2676			
Q812	8-729-167-62	TRANSISTOR 2SC2676			
Q813	8-729-663-47	TRANSISTOR 2SC1364			
Q814	8-729-663-47	TRANSISTOR 2SC1364			
Q815	8-729-612-77	TRANSISTOR 2SA1027R			
Q816	8-729-612-77	TRANSISTOR 2SA1027R			
R001	1-246-518-00	CARBON	75K	5%	1/4W
R002	1-246-509-00	CARBON	33K	5%	1/4W
R201	1-214-156-00	METAL	10K	1%	1/4W
R202	1-214-929-00	METAL	470K	1%	1/2W
R203	1-214-888-00	METAL	10K	1%	1/2W

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- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R204	1-214-935-00	METAL	820K	1%	1/2W	
R205 ⚠	1-212-998-00	FUSIBLE	470	5%	1/2W	F
R206 ⚠	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R207 ⚠	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R208	1-214-866-00	METAL	1.2K	1%	1/2W	
R210 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R211 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R212	1-214-172-00	METAL	47K	1%	1/4W	
R213	1-214-156-00	METAL	10K	1%	1/4W	
R214	1-214-156-00	METAL	10K	1%	1/4W	
R215	1-214-156-00	METAL	10K	1%	1/4W	
R216	1-214-929-00	METAL	470K	1%	1/2W	
R217 ⚠	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R218 ⚠	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R219 ⚠	1-212-998-00	FUSIBLE	470	5%	1/2W	F
R220	1-214-888-00	METAL	10K	1%	1/2W	
R221	1-214-935-00	METAL	820K	1%	1/2W	
R222	1-214-866-00	METAL	1.2K	1%	1/2W	
R223	1-214-156-00	METAL	10K	1%	1/4W	
R224	1-214-859-00	METAL	620	1%	1/2W	
R225	1-214-859-00	METAL	620	1%	1/2W	
R226	1-214-872-00	METAL	2.2K	1%	1/2W	
R227	1-214-872-00	METAL	2.2K	1%	1/2W	
R228	1-217-582-00	WIREWOUND	8.2	10%	5W	
R229	1-217-582-00	WIREWOUND	8.2	10%	5W	
R230	1-214-876-00	METAL	3.3K	1%	1/2W	
R231 ⚠	1-212-982-00	FUSIBLE	100	5%	1/2W	F
R232 ⚠	1-212-982-00	FUSIBLE	100	5%	1/2W	F
R233 ⚠	1-212-982-00	FUSIBLE	100	5%	1/2W	F
R234 ⚠	1-212-982-00	FUSIBLE	100	5%	1/2W	F
R235	1-214-856-00	METAL	470	1%	1/2W	
R236	1-214-856-00	METAL	470	1%	1/2W	
R237 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R238 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R239 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R240 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R241 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R242 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R243 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R244 ⚠	1-212-970-00	FUSIBLE	33	5%	1/2W	F
R245 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R246 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R247 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R248 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R249 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R250 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R251 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R252 ⚠	1-212-966-00	FUSIBLE	22	5%	1/2W	F
R253	1-217-156-00	METAL PLATE	0.22	10%	5W	
R254	1-217-156-00	METAL PLATE	0.22	10%	5W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R255	1-217-156-00	METAL PLATE	0.22	10%	5W
R256	1-217-156-00	METAL PLATE	0.22	10%	5W
R257	1-217-156-00	METAL PLATE	0.22	10%	5W
R258	1-217-156-00	METAL PLATE	0.22	10%	5W
R259	1-217-156-00	METAL PLATE	0.22	10%	5W
R260	1-217-156-00	METAL PLATE	0.22	10%	5W
R261	1-217-156-00	METAL PLATE	0.22	10%	5W
R262	1-217-156-00	METAL PLATE	0.22	10%	5W
R263	1-217-156-00	METAL PLATE	0.22	10%	5W
R264	1-217-156-00	METAL PLATE	0.22	10%	5W
R265	1-217-156-00	METAL PLATE	0.22	10%	5W
R266	1-217-156-00	METAL PLATE	0.22	10%	5W
R267	1-217-156-00	METAL PLATE	0.22	10%	5W
R268	1-217-156-00	METAL PLATE	0.22	10%	5W
R269	1-214-876-00	METAL	3.3K	1%	1/2W
R270	1-214-787-00	METAL	270K	1%	1/4W
R271	1-214-787-00	METAL	270K	1%	1/4W
R272	1-214-113-00	METAL	160	1%	1/4W
R273	1-214-113-00	METAL	160	1%	1/4W
R301	1-214-116-00	METAL	220	1%	1/4W
R302	1-214-132-00	METAL	1K	1%	1/4W
R303	1-214-120-00	METAL	330	1%	1/4W
R304	1-214-120-00	METAL	330	1%	1/4W
R305	1-214-108-00	METAL	100	1%	1/4W
R306	1-214-108-00	METAL	100	1%	1/4W
R307	1-214-174-00	METAL	56K	1%	1/4W
R308	1-214-180-00	METAL	100K	1%	1/4W
R309	1-214-132-00	METAL	1K	1%	1/4W
R310	1-214-120-00	METAL	330	1%	1/4W
R311	1-214-120-00	METAL	330	1%	1/4W
R312	1-214-108-00	METAL	100	1%	1/4W
R313	1-214-108-00	METAL	100	1%	1/4W
R314	1-214-174-00	METAL	56K	1%	1/4W
R315	1-214-180-00	METAL	100K	1%	1/4W
R316	1-214-124-00	METAL	470	1%	1/4W
R401	1-214-905-00	METAL	47K	1%	1/2W
R402	1-214-878-00	METAL	3.9K	1%	1/2W
R403	1-214-128-00	METAL	680	1%	1/4W
R404	1-214-128-00	METAL	680	1%	1/4W
R405	1-214-168-00	METAL	33K	1%	1/4W
R406	1-214-096-00	METAL	33	1%	1/4W
R407	1-214-905-00	METAL	47K	1%	1/2W
R408	1-214-878-00	METAL	3.9K	1%	1/2W
R409	1-214-128-00	METAL	680	1%	1/4W
R410	1-214-128-00	METAL	680	1%	1/4W
R411	1-214-168-00	METAL	33K	1%	1/4W
R412	1-214-096-00	METAL	33	1%	1/4W
R413	1-214-132-00	METAL	1K	1%	1/4W
R414	1-214-132-00	METAL	1K	1%	1/4W
R415 ⚠	1-212-948-00	FUSIBLE	3.9	5%	1/2W F

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CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
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- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R416 ⚠	1-212-948-00	FUSIBLE	3.9	5%	1/2W	F
R501	1-214-160-00	METAL	15K	1%	1/4W	
R502	1-214-154-00	METAL	8.2K	1%	1/4W	
R503	1-214-170-00	METAL	39K	1%	1/4W	
R504	1-214-180-00	METAL	100K	1%	1/4W	
R505	1-214-160-00	METAL	15K	1%	1/4W	
R506	1-214-156-00	METAL	10K	1%	1/4W	
R507	1-214-178-00	METAL	82K	1%	1/4W	
R508	1-214-178-00	METAL	82K	1%	1/4W	
R509	1-214-170-00	METAL	39K	1%	1/4W	
R510	1-214-172-00	METAL	47K	1%	1/4W	
R511	1-214-154-00	METAL	8.2K	1%	1/4W	
R512	1-214-118-00	METAL	270	1%	1/4W	
R513	1-214-118-00	METAL	270	1%	1/4W	
R514	1-214-118-00	METAL	270	1%	1/4W	
R515	1-214-118-00	METAL	270	1%	1/4W	
R516	1-214-178-00	METAL	82K	1%	1/4W	
R517	1-214-178-00	METAL	82K	1%	1/4W	
R518	1-214-108-00	METAL	100	1%	1/4W	
R519	1-214-110-00	METAL	120	1%	1/4W	
R520	1-214-156-00	METAL	10K	1%	1/4W	
R521	1-214-148-00	METAL	4.7K	1%	1/4W	
R522	1-214-156-00	METAL	10K	1%	1/4W	
R523	1-214-156-00	METAL	10K	1%	1/4W	
R526	1-214-136-00	METAL	1.5K	1%	1/4W	
R527	1-214-136-00	METAL	1.5K	1%	1/4W	
R529	1-214-156-00	METAL	10K	1%	1/4W	
R530	1-214-156-00	METAL	10K	1%	1/4W	
R531	1-214-156-00	METAL	10K	1%	1/4W	
R532	1-214-164-00	METAL	22K	1%	1/4W	
R533	1-214-172-00	METAL	47K	1%	1/4W	
R534	1-214-156-00	METAL	10K	1%	1/4W	
R535	1-214-132-00	METAL	1K	1%	1/4W	
R536	1-214-132-00	METAL	1K	1%	1/4W	
R537	1-214-172-00	METAL	47K	1%	1/4W	
R538	1-214-132-00	METAL	1K	1%	1/4W	
R541	1-214-152-00	METAL	6.8K	1%	1/4W	
R542	1-214-152-00	METAL	6.8K	1%	1/4W	
R543	1-214-156-00	METAL	10K	1%	1/4W	
R544	1-214-156-00	METAL	10K	1%	1/4W	
R545	1-214-156-00	METAL	10K	1%	1/4W	
R546	1-214-156-00	METAL	10K	1%	1/4W	
R601 ⚠	1-206-694-00	METAL	18K	5%	2W	F ***(AEP,UK)
R601 ⚠	1-206-688-00	METAL	10K	5%	2W	F ***(US)
R602 ⚠	1-217-609-00	WIREWOUND	15	10%	20W	***(AEP,UK)
R602 ⚠	1-217-608-00	WIREWOUND	6.8	10%	20W	***(US)
R701 ⚠	1-214-164-00	METAL	22K	1%	1/4W	
R702 ⚠	1-214-128-00	METAL	680	1%	1/4W	
R703 ⚠	1-214-148-00	METAL	4.7K	1%	1/4W	
R704 ⚠	1-214-156-00	METAL	10K	1%	1/4W	

ELECTRICAL PARTS

Ref No.	Part No.	Description				
R705 ⚠	1-214-784-00	METAL	200K	1%	1/4W	***(AEP,UK)
R705 ⚠	1-214-913-00	METAL	100K	1%	1/2W	***(US)
R706 ⚠	1-206-467-00	METAL	15	5%	2W	F ***(AEP,UK)
R706 ⚠	1-206-463-00	METAL	10	5%	2W	F ***(US)
R801	1-214-164-00	METAL	22K	1%	1/4W	
R803	1-214-124-00	METAL	470	1%	1/4W	
R804	1-214-124-00	METAL	470	1%	1/4W	
R806	1-214-124-00	METAL	470	1%	1/4W	
R807	1-214-164-00	METAL	22K	1%	1/4W	
R808 ⚠	1-247-079-00	CARBON	4.7	5%	1/4W	F
R809	1-214-100-00	METAL	47	1%	1/4W	
R810	1-214-927-00	METAL	390K	1%	1/2W	
R811	1-214-885-00	METAL	7.5K	1%	1/2W	
R812	1-214-885-00	METAL	7.5K	1%	1/2W	
R814	1-214-124-00	METAL	470	1%	1/4W	
R815	1-214-124-00	METAL	470	1%	1/4W	
R817	1-214-124-00	METAL	470	1%	1/4W	
R818	1-214-164-00	METAL	22K	1%	1/4W	
R819 ⚠	1-247-079-00	CARBON	4.7	5%	1/4W	F
R820	1-214-100-00	METAL	47	1%	1/4W	
R821	1-214-164-00	METAL	22K	1%	1/4W	
R822	1-214-925-00	METAL	330K	1%	1/2W	
R823	1-214-885-00	METAL	7.5K	1%	1/2W	
R824	1-214-885-00	METAL	7.5K	1%	1/2W	
RT101	1-226-149-11	RES, ADJ, METAL FILM 100				
RT201	1-228-101-00	RES, ADJ, METAL FILM 10K				
RT301	1-224-490-00	RES, ADJ, METAL FILM 4.7K				
RT302	1-224-660-00	RES, ADJ, METAL FILM 1K				
RT801	1-226-828-00	RES, ADJ, METAL FILM 1K				
RT802	1-226-828-00	RES, ADJ, METAL FILM 1K				
RY201	1-515-356-00	RELAY				
RY601 ⚠	1-515-367-00	RELAY				
T701 ⚠	1-543-100-00	CORE				

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.	50 VOLT. PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-41[illegible]-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	–	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	–
3300	1-121-661-00	1-123-075-00	1-123-071-00	–	–	–

CAP. (μF)	100 VOLT. PART No.	160 VOLT. PART No.	250 VOLT. PART No.	350 VOLT. PART No.
0.47	–	–	–	–
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	–	1-123-028-00
3.3	1-121-995-00	–	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	–	–
47	1-123-251-00	1-121-919-00	–	–
100	1-123-084-00	–	–	–

CERAMIC CAPACITORS

RATING

CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

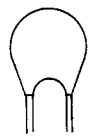
RATING → : Use the high voltage rated one.

CAP. (μF)	25 VOLT. PART No.	50 VOLT. PART No.	CAP. (μF)	25 VOLT. PART No.	50 VOLT. PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

MYLAR CAPACITORS

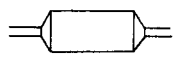
CAP. (μF)	RATING 50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

TANTALUM CAPACITORS



CAP. (μF)	RATING → : Use the high voltage rated one. 3.15 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	–	–	–	–	1-131-412-00	→	1-131-406-00
0.68	–	–	–	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	–	–	1-131-418-00	–	1-131-413-00	→	1-131-408-00
1.5	–	1-131-421-00	–	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	–	1-131-419-00	–	1-131-414-00	1-131-355-00	1-131-349-00
3.3	–	1-131-422-00	–	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	–	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	–	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	–
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	–			
68	1-131-394-00	1-131-388-00	–	–			
100	1-131-395-00	–	–	–			

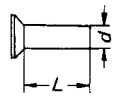
TANTALUM CAPACITORS



CAP. (μF)	RATING 3 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	35 VOLT. PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22			–	–	1-131-262-00	1-131-278-00
0.33			–	–	1-131-263-00	1-131-279-00
0.47			1-131-169-00	–	1-131-264-00	1-131-280-00
0.68			–	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	–	1-131-266-00	1-131-282-00
1.5		1-131-250-00	–	–	1-131-267-00	1-131-283-00
2.2		–	–	1-131-259-00	1-131-268-00	1-131-284-00
3.3		–	1-131-255-00	–	1-131-269-00	–
4.7		1-131-251-00	1-131-171-00	–	1-131-270-00	–
6.8		–	–	1-131-260-00	1-131-271-00	–
10	–	–	1-131-256-00	–	1-131-272-00	–
15	–	1-131-252-00	–	1-131-261-00		
22	–	–	1-131-257-00	–		
33	1-131-176-00	1-131-253-00	1-131-173-00	–		
47	1-131-288-00	1-131-174-00	–	–		
100	1-131-177-00					

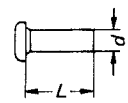
DIMENSIONS AND PART NO. OF PRECISION SCREWS

⊕ *K*
(Flat-countersunk-head screw)



Type	Size (mm) (d × L)	Part No.	
		Black	Silver
Type 1	K1.4 × 1.6	7-627-451-08	7-627-451-07
	K1.4 × 1.8		
	K1.4 × 2	7-627-451-38	7-627-451-37
	K1.4 × 2.2		
	K1.4 × 2.5	7-627-451-18	7-627-451-17
	K1.4 × 2.8		
	K1.4 × 3	7-627-451-28	7-627-451-27
	K1.4 × 3.5		7-627-451-47
	K1.4 × 4		
	K1.4 × 4.5		
	K1.4 × 5	7-627-451-78	7-627-451-77
	K1.7 × 1.8		
	K1.7 × 2		
	K1.7 × 2.2		
	K1.7 × 2.5		
	K1.7 × 2.8		
	K1.7 × 3		
	K1.7 × 3.5		
	K1.7 × 4	7-627-450-78	
	K1.7 × 4.5		
	K1.7 × 5		
	K1.7 × 5.5		
	K1.7 × 6		
	K2 × 2	7-627-452-08	7-627-452-07
	K2 × 2.2		
	K2 × 2.5		
	K2 × 2.8		
	K2 × 3	7-627-452-18	7-627-452-17
	K2 × 3.5		
	K2 × 4	7-627-452-28	
	K2 × 4.5		
	K2 × 5	7-627-452-38	
	K2 × 5.5		
	K2 × 6		
	K2 × 7		
	K2 × 8		

⊕ *P*
(Pan-head screw)



Type	Size (mm) (d × L)	Part No.	
		Black	Silver
Type 1	P1.4 × 1.4		7-627-551-47
	P1.4 × 1.6	7-627-551-08	7-627-551-07
	P1.4 × 1.8		
	P1.4 × 2	7-627-551-18	7-627-551-17
	P1.4 × 2.2		
	P1.4 × 2.5	7-627-551-28	7-627-551-27
	P1.4 × 2.8	7-627-551-88	
	P1.4 × 3	7-627-551-58	7-627-551-57
	P1.4 × 3.5	7-627-551-68	7-627-551-67
	P1.4 × 4	7-627-551-78	7-627-551-77
	P1.4 × 4.5		
	P1.4 × 5	7-627-551-38	7-627-551-37
	P1.7 × 1.6	7-627-552-18	
	P1.7 × 1.8		
	P1.7 × 2	7-627-552-28	7-627-552-27
	P1.7 × 2.2		
	P1.7 × 2.5	7-627-552-08	7-627-552-07
	P1.7 × 2.8		
	P1.7 × 3	7-627-552-38	7-627-552-37
	P1.7 × 3.5	7-627-552-78	
	P1.7 × 4	7-627-552-48	7-627-552-47
	P1.7 × 4.5		7-627-552-67
	P1.7 × 5	7-627-552-58	7-627-552-57
	P1.7 × 5.5		
	P1.7 × 6		
	P2 × 1.8		
	P2 × 2	7-627-553-18	7-627-553-17
	P2 × 2.2		7-627-554-07
	P2 × 2.5	7-627-553-28	7-627-553-27
	P2 × 2.8		
	P2 × 3	7-627-553-38	7-627-553-37
	P2 × 3.5		7-627-554-17
	P2 × 4	7-627-553-48	7-627-553-47
	P2 × 4.5	7-627-553-58	7-627-553-57
	P2 × 5		7-627-553-67
	P2 × 5.5		
	P2 × 6		
	P2 × 7	7-627-553-88	7-627-553-87
	P2 × 8	7-627-553-98	7-627-553-97
	P2 × 10	7-627-553-78	7-627-553-77
Type 3	P1.4 × 1.4		7-627-850-37
	P1.4 × 1.6		7-627-850-47
	P1.4 × 1.8		7-627-850-77
	P1.4 × 2	7-627-850-08	7-627-850-07
	P1.4 × 2.2		
	P1.4 × 2.5	7-627-850-18	7-627-850-17
	P1.4 × 2.8		
	P1.4 × 3	7-627-850-28	7-627-850-27
	P1.4 × 3.5	7-627-850-58	7-627-850-57
	P1.4 × 4	7-627-850-68	7-627-850-67
	P1.4 × 4.5		7-627-851-17
	P1.4 × 5		7-627-851-27

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SONY

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model

CORRECTION-1

File this correction with the service manual.

☛ : Corrected portions.

Page	Incorrect			Correct		
	No.	Part No.	Description	Part No.	Description	
36	Q202	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q203	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q204	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q501	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q502	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q504	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q505	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q507	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q508	8-769-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q702	⚠ 8-729-663-47	TRANSISTOR 2SC1364	⚠ 8-729-600-27	TRANSISTOR	2SC634SP
	Q813	8-729-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP
	Q814	8-729-663-47	TRANSISTOR 2SC1364	8-729-600-27	TRANSISTOR	2SC634SP

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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Audio Group

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